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182N PV Module Product Catalog

FOCUS ON GLOBAL USERS PROVIDE QUALITY POWER STATIONS SOLUTION



RENESOLA CO. LTD

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ReneSola



ALONG WITH RENESOLA
TOWARD A BRIGHT FUTURE

ENTERPRISE PROFILE

ReneSola, established in 2005, has been a pioneer in the global new energy field, committed to making unremitting efforts to mitigate global warming, and providing quality power station solutions for global clients..As of now, the global history shipments 30GW+ (numbers continue to be updated). ReneSola provide one-stop (development, financing, design, construction, operation and maintenance, etc.) turnkey integrated solutions, as well as quality services for photovoltaic modules before, during and after sales, ranked tier 1 brand of the BloombergNEF's Tier 1 PV module maker list.



30GW +
Cumulative Shipment



5 +
Production Base



100 +
Sales District



100 +
Patent Certificate



36 万 m²
Plant Area



50 +
R&D

Product Content

– 182N –

182N MONO-FACIAL MODULE

RS4-460~480N-E1 1903×1134×30	01-02
RS4-460~480NG-E1 1903×1134×30	03-04
RS5-505~525N-E1 2073×1134×30	05-06
RS6-545~575NG-E3 2278×1134×30	07-08
RS6-555~575N-E3 2278×1134×30	09-10
RS6-555~575N-E3 2278×1134×35	11-12
RS7-595~615N-E2 2465×1134×35	13-14
RS7-610~630N-E1 2443×1134×30	15-16
RS7-610~630N-E2 2465×1134×35	17-18
RS41-405~425N-E3 1722×1134×30	19-20
RS41-410~430N-E3 1722×1134×30	21-22
RS41-410~430N-E3 1722×1134×30 (With Black Frame)	23-24

182N

182N MONO-FACIAL MODULE (BLACK)

RS4-450~475NX-E1 1903×1134×30 (Full Black)	25-26
RS6-555~575NX-E3 2278×1134×30	27-28
RS7-600~625NX-E1 2443×1134×30	29-30
RS7-600~625NX-E2 2465×1134×35 (Full Black)	31-32
RS41-400~425NX-E3 1722×1134×30	33-34
RS41-400~425NX-E3 1722×1134×35	35-36
RS41-405~430NX-E3 1722×1134×30 (Full Black)	37-38

182N BIFACIAL MODULE WITH DUAL GLASS (BLACK)

RS4-460~475NXG-E1 1903×1134×30	39-40
RS6-560~570NXG-E3 2278×1134×30	41-42
RS41-405~430NXG-E3 1722×1134×30	43-44

182N BIFACIAL MODULE WITH DUAL GLASS

RS4-460~480NBG-E1 1903×1134×30	45-46
RS4-460~480NBG-E3 1891×1134×30	47-48
RS6-560~580NBG-E1 2256×1134×30	49-50
RS6-560~580NBG-E3 2278×1134×30	51-52
RS7-605~620NBG-E1 2443×1134×35	53-54
RS7-605~620NBG-E2 2465×1134×35	55-56
RS41-410~430NBG-E2 1728×1134×30	57-58
RS41-410~430NBG-E3 1722×1134×30	59-60
RS41-410~430NBG-E5 1708×1134×30	61-62



MONO-FACIAL MODULE

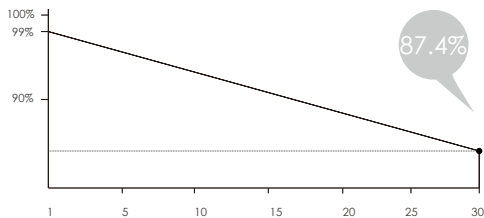
RS4-460~480N-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.24%.

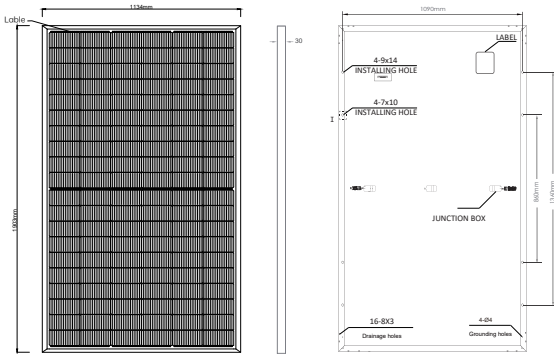
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



Drawing Only for Reference

Electrical Characteristics STC	RS4-460N-E1	RS4-465N-E1	RS4-470N-E1	RS4-475N-E1	RS4-480N-E1
Maximum Power (Pmax)	460W	465W	470W	475W	480W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.32%	21.55%	21.78%	22.01%	22.24%
Maximum Power Current (Imp)	12.76A	12.81A	12.86A	12.91A	12.97A
Maximum Power Voltage (Vmp)	36.06V	36.30V	36.54V	36.78V	37.02V
Short Circuit Current (Isc)	13.29A	13.37A	13.46A	13.55A	13.63A
Open Circuit Voltage (Voc)	42.12V	42.30V	42.48V	42.66V	42.84V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

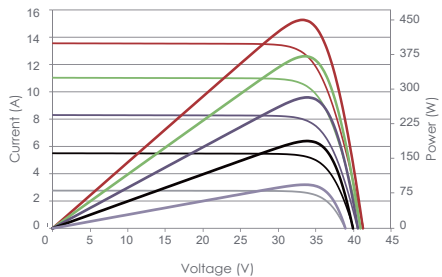
Electrical Characteristics NOCT	RS4-460N-E1	RS4-465N-E1	RS4-470N-E1	RS4-475N-E1	RS4-480N-E1
Maximum Power (Pmax)	345.6W	349.3W	353.1W	356.8W	360.6W
Maximum Power Current (Imp)	10.30A	10.35A	10.39A	10.43A	10.47A
Maximum Power Voltage (Vmp)	33.54V	33.76V	33.98V	34.21V	34.43V
Short Circuit Current (Isc)	11.28A	11.35A	11.42A	11.50A	11.57A
Open Circuit Voltage (Voc)	39.59V	39.76V	39.93V	40.10V	40.27V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,120(6×20)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1903×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	24.2kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	24
Pieces per Container	864

RS4-460~480N-E1
MONO-FACIAL MODULE



Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



Note: Please read the safety and installation instructions before using this product
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Version number:RS-T4-036-A



SATURN 4



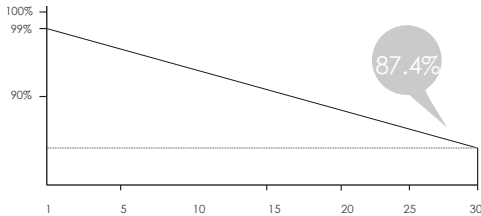
MODULE WITH DUAL GLASS
RS4-460~480NG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.24%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and Weak light response · Low temperature ratings
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System

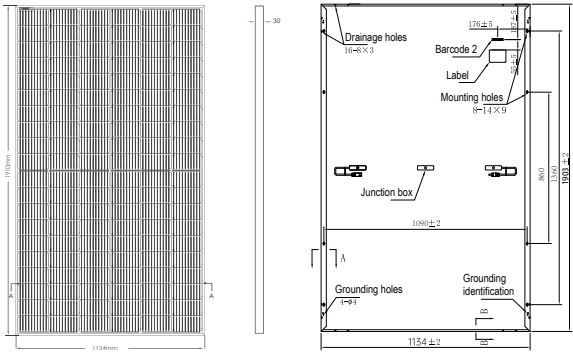
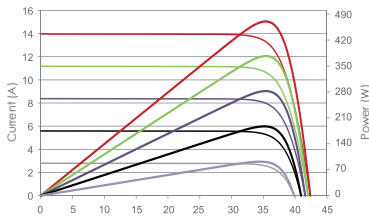


30-Year excess linear power output warranty



SATURN 4

RS4-460~480NG-E1
MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS4-460NG-E1	RS4-465NG-E1	RS4-470NG-E1	RS4-475NG-E1	RS4-480NG-E1
Maximum Power (Pmax)	460W	465W	470W	475W	480W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.32%	21.55%	21.78%	22.01%	22.24%
Maximum Power Current (Imp)	13.25A	13.33A	13.41A	13.49A	13.57A
Maximum Power Voltage (Vmp)	34.72V	34.89V	35.05V	35.21V	35.38V
Short Circuit Current (Isc)	13.99A	14.07A	14.15A	14.23A	14.31A
Open Circuit Voltage (Voc)	42.05V	42.22V	42.38V	42.54V	42.71V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS4-460NG-E1	RS4-465NG-E1	RS4-470NG-E1	RS4-475NG-E1	RS4-480NG-E1
Maximum Power (Pmax)	346W	350W	353W	357W	351.1W
Maximum Power Current (Imp)	10.61A	10.67A	10.73A	10.79A	10.67A
Maximum Power Voltage (Vmp)	32.60V	32.77V	32.94V	33.10V	32.90V
Short Circuit Current (Isc)	11.29A	11.36A	11.42A	11.49A	11.42A
Open Circuit Voltage (Voc)	39.94V	40.10V	40.25V	40.41V	39.72V

NOCT Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type, 182x182(±1)mm, 120(6x20)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	1P68 Rated, With Bypass Diodes
Dimension	1903×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	28kg
Installation Hole Location	See Drawing Above

Packing Information	
Container	40' HQ
Pallets per Container	24
Pieces per Container	864

Characteristics	
Temperature Coefficient of Voc	-0. 27%/°C
Temperature Coefficient of Isc	+0. 04%/°C
Temperature Coefficient of Pmax	-0. 35%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



Note: Please read the safety and installation instructions before using this product
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Version number:RS-T4-112-A





MONO-FACIAL MODULE

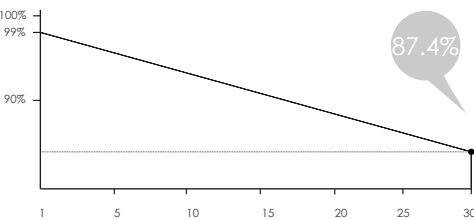
RS5-505~525N-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.33%

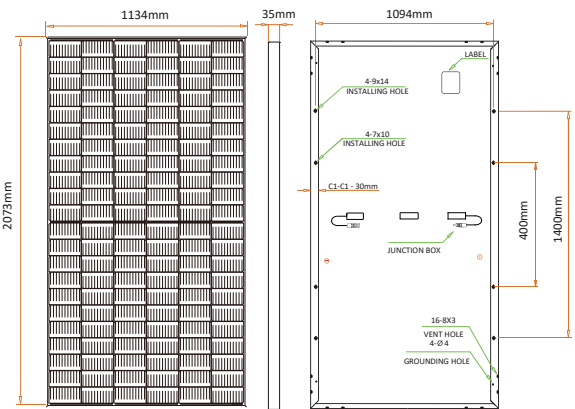
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance
 - Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material
 - Advanced technology
 - Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



Drawing Only for Reference

Electrical Characteristics STC	RS5-505N-E1	RS5-510N-E1	RS5-515N-E1	RS5-520N-E1	RS5-525N-E1
Maximum Power (Pmax)	505W	510W	515W	520W	525W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.48%	21.69%	21.91%	22.12%	22.33%
Maximum Power Current (Imp)	12.83A	12.89A	12.95A	13.01A	13.06A
Maximum Power Voltage (Vmp)	39.36V	39.57V	39.77V	39.97V	40.20V
Short Circuit Current (Isc)	13.45A	13.50A	13.55A	13.60A	13.65A
Open Circuit Voltage (Voc)	45.68V	45.96V	46.24V	46.51V	46.79V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS5-505N-E1	RS5-510N-E1	RS5-515N-E1	RS5-520N-E1	RS5-525N-E1
Maximum Power (Pmax)	379.36W	383.11W	386.87W	390.62W	394.38W
Maximum Power Current (Imp)	10.36A	10.41A	10.46A	10.51A	10.55A
Maximum Power Voltage (Vmp)	36.61V	36.80V	36.98V	37.17V	37.39V
Short Circuit Current (Isc)	11.42A	11.46A	11.50A	11.54A	11.58A
Open Circuit Voltage (Voc)	42.94V	42.30V	43.46V	43.72V	43.98V

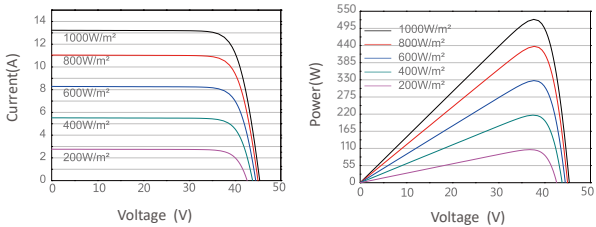
NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	Mono N-Type,182x182(±1)mm,132(6×22)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	1P68 Rated
Dimension	2073×1134×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	26.5kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	22
Pieces per Container	682

RS5-505~525N-E1

MONO-FACIAL MODULE



Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



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Version number:RS-T5-109-A



SATURN 6

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MODULE WITH DUAL GLASS

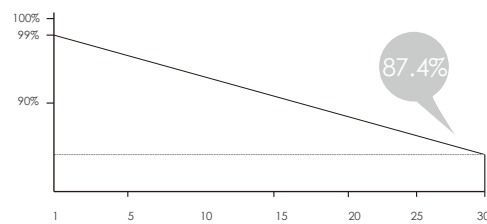
RS6-545~575NG-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.26%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and Weak light response · Low temperature ratings
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

IEC 61215(2016), IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
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and Safety Management System



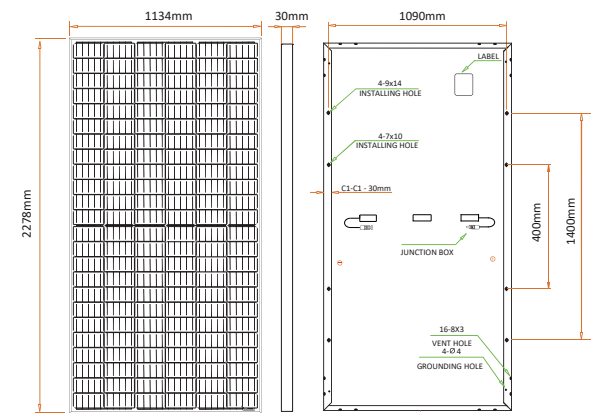
30-Year excess linear power output warranty



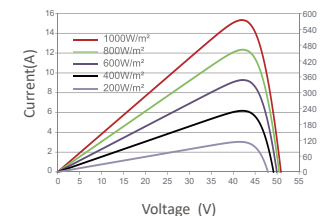
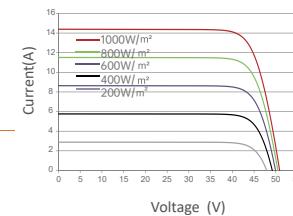
SATURN 6

RS6-545~575NG-E3

MODULE WITH DUAL GLASS



Drawing Only for Reference



Electrical Characteristics STC	RS6-545NG-E3	RS6-550NG-E3	RS6-555NG-E3	RS6-560NG-E3	RS6-565NG-E3	RS6-570NG-E3	RS6-575NG-E3
Maximum Power (Pmax)	545W	550W	555W	560W	565W	570W	575W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.10%	21.29%	21.48%	21.68%	21.87%	22.07%	22.26%
Maximum Power Current (Imp)	13.05A	13.10A	13.16A	13.21A	13.27A	13.32A	13.38A
Maximum Power Voltage (Vmp)	41.76V	41.98V	42.17V	42.39V	42.58V	42.79V	42.97V
Short Circuit Current (Isc)	13.81A	13.87A	13.93A	13.99A	14.05A	14.11A	14.17A
Open Circuit Voltage (Voc)	50.00V	50.21V	50.40V	50.60V	50.80V	51.00V	51.20V

Values at Standard Test Conditions STC (AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS6-545NG-E3	RS6-550NG-E3	RS6-555NG-E3	RS6-560NG-E3	RS6-565NG-E3	RS6-570NG-E3	RS6-575NG-E3
Maximum Power (Pmax)	413W	417W	421W	424W	428W	432W	436W
Maximum Power Current (Imp)	10.52A	10.57A	10.61A	10.65A	10.70A	10.74A	10.79A
Maximum Power Voltage (Vmp)	39.20V	39.40V	39.60V	39.80V	40.00V	40.20V	40.40V
Short Circuit Current (Isc)	11.13A	11.18A	11.23A	11.28A	11.33A	11.38A	11.42A
Open Circuit Voltage (Voc)	47.80V	48.00V	48.20V	48.40V	48.60V	48.70V	48.90V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type, 182x182(±1)mm, 144(6x24)Half-Cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	1P68 Rated, With Bypass Diodes
Dimension	2278x1134x30mm
Output Cable	4 mm² (EU), 300 mm, length can be customized
Weight	32.8kg
Installation Hole Location	See Drawing Above

Packing Information	
Container	40' HQ
Pallets per Container	20
Pieces per Container	720

Characteristics	
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Pmax	-0.31%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Ex: 550 Modulos solares fotovoltaicos para geracao de energia electrica, monofaciais, dotados de celulas de silicio monocristalino, com potencia de pico (STC) na parte frontal de 575W para sistema com tensao maxima de 1500V, com dimensoes de 2.278 x 1.134mm (eficiencia de 22,6Wp/m², equivalente a 22,26%).

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A

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Note: Please read the safety and installation instructions before using this product
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web: www.renesola-energy.com
Version number: RS-T6-101-A



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MONO-FACIAL MODULE

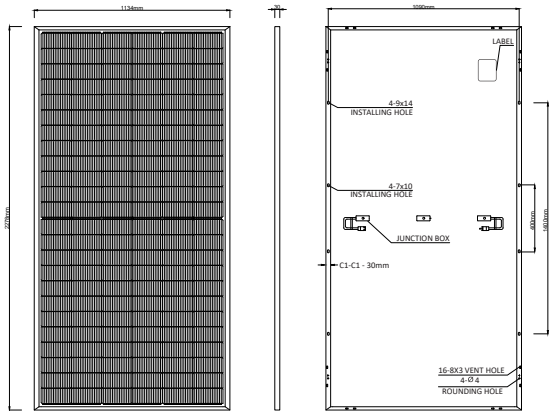
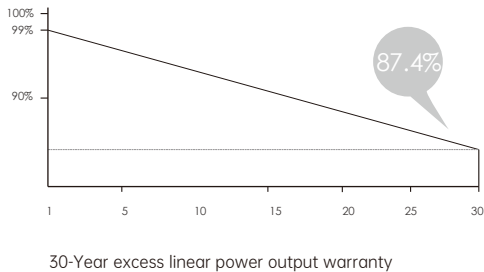
RS6-555~575N-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.26%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
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 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
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 - Strict selected material ·Advanced technology ·Leading standard
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2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



Drawing Only for Reference

Electrical Characteristics STC	RS6-555N-E3	RS6-560N-E3	RS6-565N-E3	RS6-570N-E3	RS6-575N-E3
Maximum Power (Pmax)	555W	560W	565W	570W	575W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.48%	21.68%	21.87%	22.07%	22.26%
Maximum Power Current (Imp)	13.16A	13.21A	13.27A	13.32A	13.38A
Maximum Power Voltage (Vmp)	42.20V	42.40V	42.60V	42.80V	43.00V
Short Circuit Current (Isc)	13.93A	13.99A	14.05A	14.11A	14.17A
Open Circuit Voltage (Voc)	50.40V	50.60V	50.80V	51.00V	51.20V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS6-555N-E3	RS6-560N-E3	RS6-565N-E3	RS6-570N-E3	RS6-575N-E3
Maximum Power (Pmax)	421W	424W	428W	432W	436W
Maximum Power Current (Imp)	10.61A	10.65A	10.70A	10.74A	10.79A
Maximum Power Voltage (Vmp)	39.60V	39.80V	40.00V	40.20V	40.40V
Short Circuit Current (Isc)	11.23A	11.28A	11.33A	11.38A	11.42A
Open Circuit Voltage (Voc)	48.20V	48.40V	48.60V	48.70V	48.90V

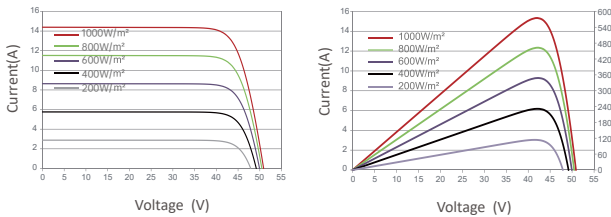
NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type, 182x182(±1)mm, 144 (6x24) Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	1P68 Rated
Dimension	2278×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	27kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	20
Pieces per Container	720

RS6-555~575N-E3

MONO-FACIAL MODULE



Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



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MONO-FACIAL MODULE

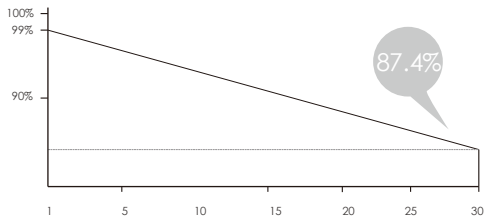
RS6-555~575N-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.26%

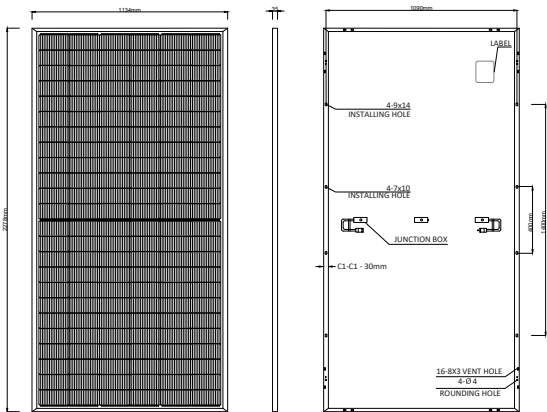
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

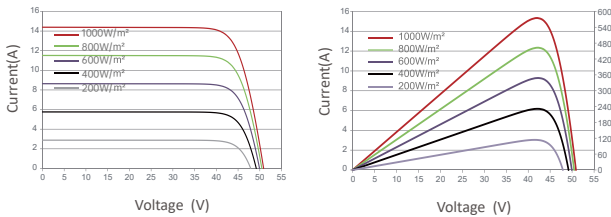
IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



RS6-555~575N-E3
MONO-FACIAL MODULE



Drawing Only for Reference

Electrical Characteristics STC	RS6-555N-E3	RS6-560N-E3	RS6-565N-E3	RS6-570N-E3	RS6-575N-E3
Maximum Power (Pmax)	555W	560W	565W	570W	575W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.48%	21.68%	21.87%	22.07%	22.26%
Maximum Power Current (Imp)	13.16A	13.21A	13.27A	13.32A	13.38A
Maximum Power Voltage (Vmp)	42.20V	42.40V	42.60V	42.80V	43.00V
Short Circuit Current (Isc)	13.93A	13.99A	14.05A	14.11A	14.17A
Open Circuit Voltage (Voc)	50.40V	50.60V	50.80V	51.00V	51.20V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS6-555N-E3	RS6-560N-E3	RS6-565N-E3	RS6-570N-E3	RS6-575N-E3
Maximum Power (Pmax)	421W	424W	428W	432W	436W
Maximum Power Current (Imp)	10.61A	10.65A	10.70A	10.74A	10.79A
Maximum Power Voltage (Vmp)	39.60V	39.80V	40.00V	40.20V	40.40V
Short Circuit Current (Isc)	11.23A	11.28A	11.33A	11.38A	11.42A
Open Circuit Voltage (Voc)	48.20V	48.40V	48.60V	48.70V	48.90V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type, 182x182(±1)mm, 144(6x24)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	1P68 Rated
Dimension	2278×1134×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	27kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	20
Pieces per Container	620

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



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SATURN 7



MONO-FACIAL MODULE
RS7-595~615N-E2

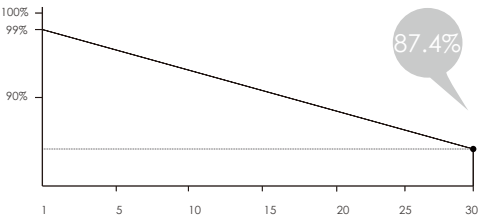
N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.00%.

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and Weak light response · Low temperature ratings
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques



Complete System
and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System

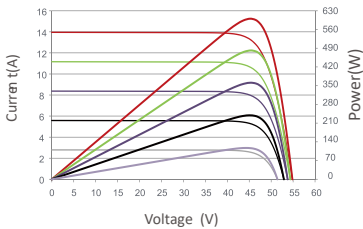


30-Year excess linear power output warranty



SATURN 7

RS7-595~615N-E2
MONO-FACIAL MODULE



Drawing Only for Reference

Electrical Characteristics STC	RS7-595N-E2	RS7-600N-E2	RS7-605N-E2	RS7-610N-E2	RS7-615N-E2
Maximum Power (Pmax)	595W	600W	605W	610W	615W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.29%	21.46%	21.64%	21.82%	22.00%
Maximum Power Current (Imp)	12.71A	12.77A	12.83A	12.89A	12.95A
Maximum Power Voltage (Vmp)	46.80V	46.97V	47.14V	47.31V	47.48V
Short Circuit Current (Isc)	13.34A	13.39A	13.45A	13.50A	13.55A
Open Circuit Voltage (Voc)	54.25V	54.50V	54.74V	54.98V	55.22V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS7-595N-E2	RS7-600N-E2	RS7-605N-E2	RS7-610N-E2	RS7-615N-E2
Maximum Power (Pmax)	447.5W	451.3W	455.0W	458.2W	462.0W
Maximum Power Current (Imp)	10.28A	10.33A	10.38A	10.41A	10.46A
Maximum Power Voltage (Vmp)	43.52V	43.68V	43.84V	44.00V	44.16V
Short Circuit Current (Isc)	11.34A	11.38A	11.43A	11.46A	11.50A
Open Circuit Voltage (Voc)	51.00V	51.23V	51.46V	51.68V	51.91V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,156(6×26)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	1P68 Rated, With Bypass Diodes
Dimension	2465×1134×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	30.6kg
Installation Hole Location	See Drawing Above

Packing Information	
Container	40' HQ
Pallets per Container	16
Pieces per Container	496

Characteristics	
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Pmax	-0.31%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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MONO-FACIAL MODULE

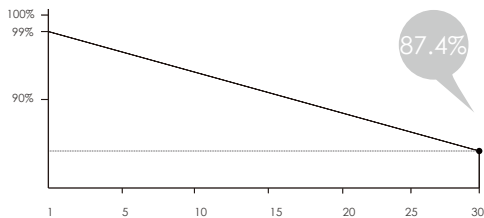
RS7-610~630N-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.74%.

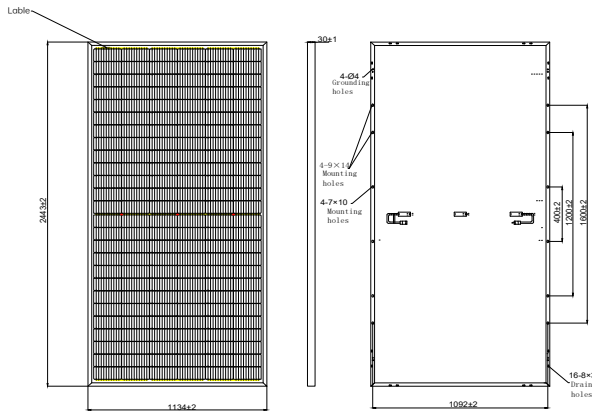
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:2015:Quality Management System ISO14001:2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System



30-Year excess linear power output warranty



Drawing Only for Reference

Electrical Characteristics STC	RS7-610N-E1	RS7-615N-E1	RS7-620N-E1	RS7-625N-E1	RS7-630N-E1
Maximum Power (Pmax)	610W	615W	620W	625W	630W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.02%	22.20%	22.38%	22.56%	22.74%
Maximum Power Current (Imp)	13.38A	13.46A	13.54A	13.61A	13.69A
Maximum Power Voltage (Vmp)	45.59V	45.69V	45.79V	45.92V	46.02V
Short Circuit Current (Isc)	14.11A	14.18A	14.25A	14.32A	14.39A
Open Circuit Voltage (Voc)	55.25V	55.40V	55.55V	55.70V	55.85V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

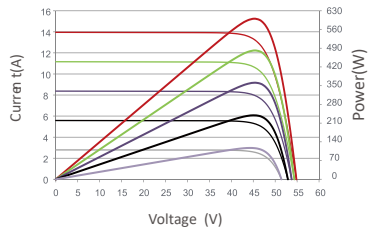
Electrical Characteristics NOCT	RS7-610N-E1	RS7-615N-E1	RS7-620N-E1	RS7-625N-E1	RS7-630N-E1
Maximum Power (Pmax)	458.2W	462.0W	465.7W	469.5W	473.3W
Maximum Power Current (Imp)	10.85A	10.91A	10.97A	11.03A	11.09A
Maximum Power Voltage (Vmp)	42.28V	42.39V	42.50V	42.61V	42.72V
Short Circuit Current (Isc)	11.39A	11.45A	11.50A	11.56A	11.63A
Open Circuit Voltage (Voc)	52.48V	52.62V	52.77V	52.91V	53.05V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,156(6×26)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	1P68 Rated
Dimension	2443×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	30kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	16
Pieces per Container	576

RS7-610~630N-E1
MONO-FACIAL MODULE



Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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MONO-FACIAL MODULE

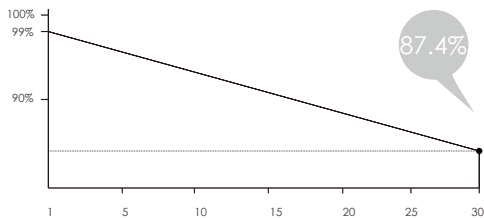
RS7-610~630N-E2

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.54%.

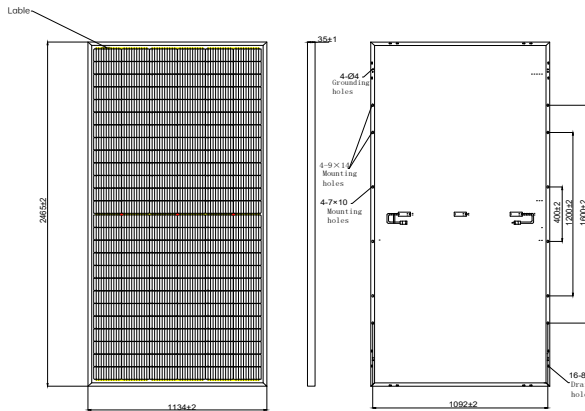
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

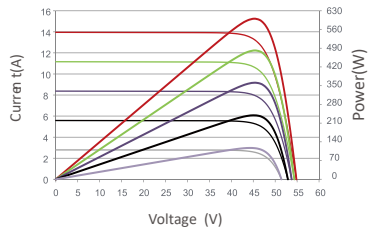
IEC 61215(2016),IEC 61730(2016) ISO9001:2015:Quality Management System ISO14001:2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System



30-Year excess linear power output warranty



RS7-610~630N-E2
MONO-FACIAL MODULE



Drawing Only for Reference

Electrical Characteristics STC	RS7-610N-E2	RS7-615N-E2	RS7-620N-E2	RS7-625N-E2	RS7-630N-E2
Maximum Power (Pmax)	610W	615W	620W	625W	630W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.82%	22.00%	22.18%	22.36%	22.54%
Maximum Power Current (Imp)	13.38A	13.46A	13.54A	13.61A	13.69A
Maximum Power Voltage (Vmp)	45.59V	45.69V	45.79V	45.92V	46.02V
Short Circuit Current (Isc)	14.11A	14.18A	14.25A	14.32A	14.39A
Open Circuit Voltage (Voc)	55.25V	55.40V	55.55V	55.70V	55.85V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS7-610N-E2	RS7-615N-E2	RS7-620N-E2	RS7-625N-E2	RS7-630N-E2
Maximum Power (Pmax)	458.2W	462.0W	465.7W	469.5W	473.3W
Maximum Power Current (Imp)	10.85A	10.91A	10.97A	11.03A	11.09A
Maximum Power Voltage (Vmp)	42.28V	42.39V	42.50V	42.61V	42.72V
Short Circuit Current (Isc)	11.39A	11.45A	11.50A	11.56A	11.63A
Open Circuit Voltage (Voc)	52.48V	52.62V	52.77V	52.91V	53.05V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,156(6×26)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	1P68 Rated
Dimension	2465×1134×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	30.6kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	16
Pieces per Container	496

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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MONO-FACIAL MODULE

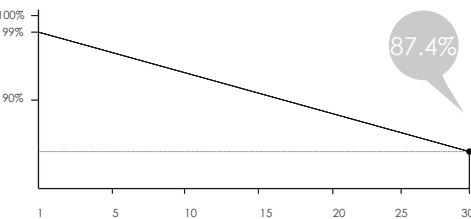
RS41-405~425N-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.76%.

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiance performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

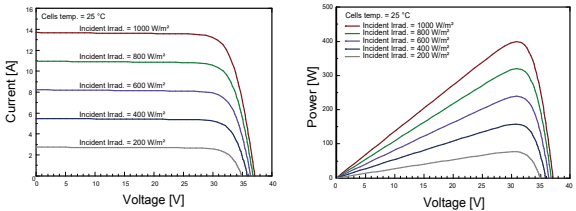
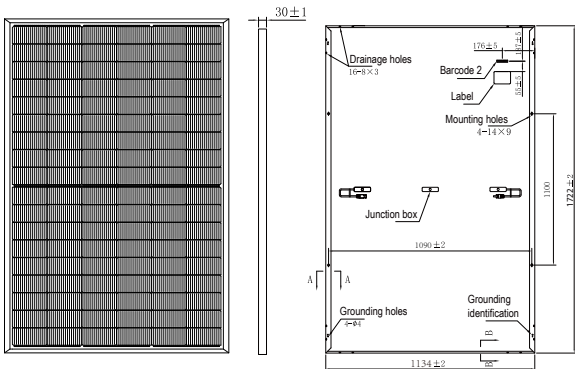
IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



RS41-405~425N-E3
MONO-FACIAL MODULE



Drawing Only for Reference

Electrical Characteristics STC	RS41-405N-E3	RS41-410N-E3	RS41-415N-E3	RS41-420N-E3	RS41-425N-E3
Maximum Power (Pmax)	405W	410W	415W	420W	425W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.74%	21.00%	21.25%	21.51%	21.76%
Maximum Power Current (Imp)	13.02A	13.10A	13.17A	13.24A	13.32A
Maximum Power Voltage (Vmp)	31.11V	31.30V	31.51V	31.72V	31.91V
Short Circuit Current (Isc)	13.82A	13.91A	13.98A	14.05A	14.12A
Open Circuit Voltage (Voc)	37.03V	37.24V	37.51V	37.77V	38.03V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS41-405N-E3	RS41-410N-E3	RS41-415N-E3	RS41-420N-E3	RS41-425N-E3
Maximum Power (Pmax)	307.0W	311.0W	315.0W	318.0W	322.0W
Maximum Power Current (Imp)	10.50A	10.56A	10.62A	10.67A	10.74A
Maximum Power Voltage (Vmp)	29.24V	29.45V	29.66V	29.80V	29.98V
Short Circuit Current (Isc)	11.06A	11.14A	11.22A	11.27A	11.33A
Open Circuit Voltage (Voc)	35.72V	35.93V	36.13V	36.31V	36.58V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,108(6×18)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1722×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	22kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



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MONO-FACIAL MODULE

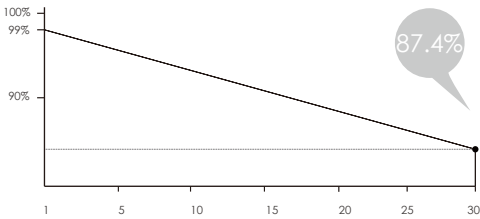
RS41-410~430N-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.02%.

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System

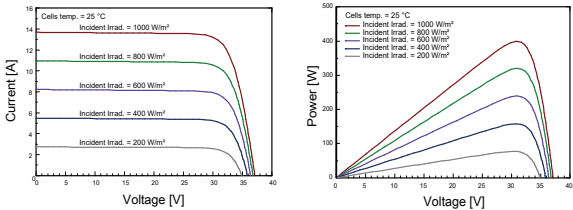
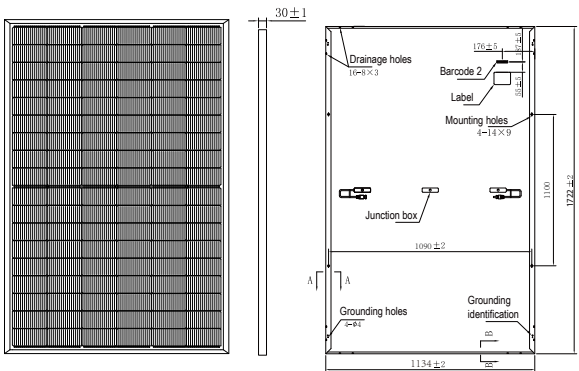


30-Year excess linear power output warranty



RS41-410~430N-E3

MONO-FACIAL MODULE



Drawing Only for Reference

Electrical Characteristics STC	RS41-410N-E3	RS41-415N-E3	RS41-420N-E3	RS41-425N-E3	RS41-430N-E3
Maximum Power (Pmax)	410W	415W	420W	425W	430W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.00%	21.25%	21.51%	21.76%	22.02%
Maximum Power Current (Imp)	13.10A	13.17A	13.24A	13.32A	13.39A
Maximum Power Voltage (Vmp)	31.30V	31.51V	31.72V	31.91V	32.11V
Short Circuit Current (Isc)	13.91A	13.98A	14.05A	14.12A	14.19A
Open Circuit Voltage (Voc)	37.24V	37.51V	37.77V	38.03V	38.29V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS41-410N-E3	RS41-415N-E3	RS41-420N-E3	RS41-425N-E3	RS41-430N-E3
Maximum Power (Pmax)	311.0W	315.0W	318.0W	322.0W	326.0W
Maximum Power Current (Imp)	10.56A	10.62A	10.67A	10.74A	10.80A
Maximum Power Voltage (Vmp)	29.45V	29.66V	29.80V	29.98V	30.19V
Short Circuit Current (Isc)	11.14A	11.22A	11.27A	11.33A	11.39A
Open Circuit Voltage (Voc)	35.93V	36.13V	36.31V	36.58V	36.84V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,108(6×18)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1722×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	22kg
Connector	MC4 compitable

Packing Information	
Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



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Version number:RS-T41-028-C





MONO-FACIAL MODULE

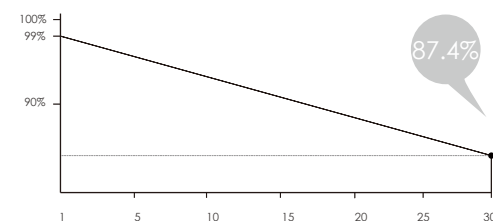
RS41-410~430N-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.02%.

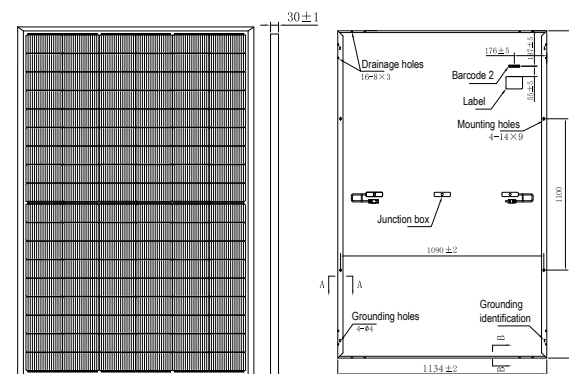
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



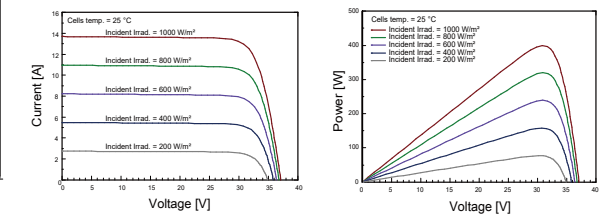
30-Year excess linear power output warranty



Drawing Only for Reference

RS41-410~430N-E3

MONO-FACIAL MODULE



Electrical Characteristics STC	RS41-410N-E3	RS41-415N-E3	RS41-420N-E3	RS41-425N-E3	RS41-430N-E3
Maximum Power (Pmax)	410W	415W	420W	425W	430W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.00%	21.25%	21.51%	21.76%	22.02%
Maximum Power Current (Imp)	13.10A	13.17A	13.24A	13.32A	13.39A
Maximum Power Voltage (Vmp)	31.30V	31.51V	31.72V	31.91V	32.11V
Short Circuit Current (Isc)	13.91A	13.98A	14.05A	14.12A	14.19A
Open Circuit Voltage (Voc)	37.24V	37.51V	37.77V	38.03V	38.29V

Values at Standard Test Conditions STC (AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS41-410N-E3	RS41-415N-E3	RS41-420N-E3	RS41-425N-E3	RS41-430N-E3
Maximum Power (Pmax)	311.0W	315.0W	318.0W	322.0W	326.0W
Maximum Power Current (Imp)	10.56A	10.62A	10.67A	10.74A	10.80A
Maximum Power Voltage (Vmp)	29.45V	29.66V	29.80V	29.98V	30.19V
Short Circuit Current (Isc)	11.14A	11.22A	11.27A	11.33A	11.39A
Open Circuit Voltage (Voc)	35.93V	36.13V	36.31V	36.58V	36.84V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,108(6×18)Half-Cut cell
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	1722×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	22kg
Connector	MC4 compatible

Characteristics	
Temperature Coefficient of V_{oc}	-0.25%/°C
Temperature Coefficient of I_{sc}	0.045%/°C
Temperature Coefficient of P_{max}	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Packing Information	
Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



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Version number:RS-T41-028-B





MONO-FACIAL MODULE

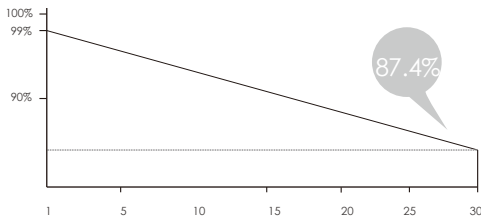
RS4-450~475NX-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.01%

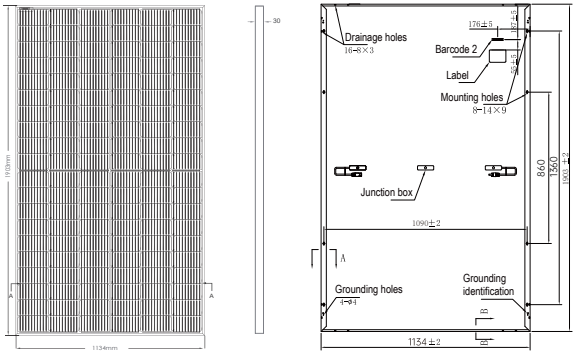
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance · Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001: 2015:Quality Management System ISO14001: 2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System

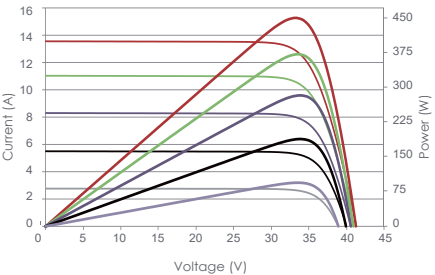


30-Year excess linear power output warranty



Drawing Only for Reference

RS4-450~475NX-E1
MONO-FACIAL MODULE



Electrical Characteristics STC	RS4-450NX-E1	RS4-455NX-E1	RS4-460NX-E1	RS4-465NX-E1	RS4-470NX-E1	RS4-475NX-E1
Maximum Power (Pmax)	450W	455W	460W	465W	470W	475W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.85%	21.08%	21.32%	21.55%	21.78%	22.01%
Maximum Power Current (Imp)	12.56A	12.61A	12.66A	12.71A	12.76A	12.81A
Maximum Power Voltage (Vmp)	35.83V	36.08V	36.33V	36.59V	36.83V	37.08V
Short Circuit Current (Isc)	12.97A	13.05A	13.13A	13.21A	13.29A	13.37A
Open Circuit Voltage (Voc)	42.21V	42.42V	42.62V	42.82V	43.02V	43.22V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS4-450NX-E1	RS4-455NX-E1	RS4-460NX-E1	RS4-465NX-E1	RS4-470NX-E1	RS4-475NX-E1
Maximum Power (Pmax)	338W	342W	346W	350W	353W	357W
Maximum Power Current (Imp)	10.15A	10.19A	10.23A	10.27A	10.31A	10.35A
Maximum Power Voltage (Vmp)	33.32V	33.56V	33.79V	34.02V	34.26V	34.48V
Short Circuit Current (Isc)	11.01A	11.08A	11.15A	11.21A	11.29A	11.37A
Open Circuit Voltage (Voc)	39.68V	39.87V	40.06V	40.25V	40.44V	40.63V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type, 182x182(±1)mm, 120(6x20)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1903x1134x30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	24.2kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	24
Pieces per Container	864

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



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SATURN 6



MONO-FACIAL MODULE

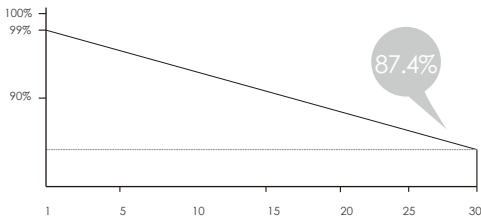
RS6-555~575NX-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.56%.

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and Weak light response · Low temperature ratings
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001: 2015:Quality Management System ISO14001: 2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System



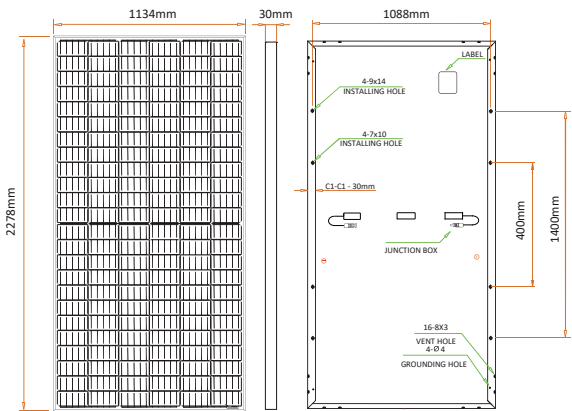
30-Year excess linear power output warranty



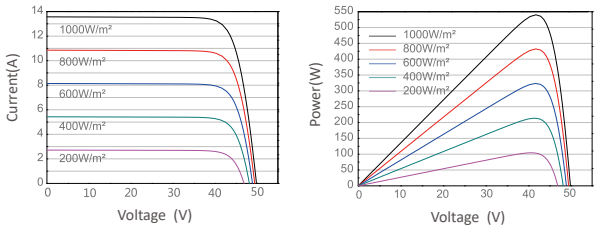
SATURN 6

RS6-555~575NX-E3

MONO-FACIAL MODULE



Drawing Only for Reference



Electrical Characteristics STC	RS6-555NX-E3	RS6-560NX-E3	RS6-565NX-E3	RS6-570NX-E3	RS6-575NX-E3
Maximum Power (Pmax)	555W	560W	565W	570W	555W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.48%	21.68%	21.87%	22.07%	22.26%
Maximum Power Current (Imp)	13.04A	13.10A	13.16A	13.21A	13.27A
Maximum Power Voltage (Vmp)	42.56V	42.75V	42.93V	43.15V	43.33V
Short Circuit Current (Isc)	13.81A	13.87A	13.93A	13.99A	14.05A
Open Circuit Voltage (Voc)	50.77V	51.01V	51.24V	51.48V	51.71V

Values at Standard Test Conditions STC (AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS6-555NX-E3	RS6-560NX-E3	RS6-565NX-E3	RS6-570NX-E3	RS6-575NX-E3
Maximum Power (Pmax)	421.0W	424.0W	428.0W	432.0W	436.0W
Maximum Power Current (Imp)	10.51A	10.56A	10.61A	10.65A	10.70A
Maximum Power Voltage (Vmp)	40.06V	40.15V	40.34V	40.56V	40.75V
Short Circuit Current (Isc)	11.13A	11.18A	11.23A	11.28A	11.33A
Open Circuit Voltage (Voc)	48.68V	48.81V	49.05V	49.29V	49.53V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,144(6×24)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	1P68 Rated, With Bypass Diodes
Dimension	2278×1134×30mm
Output Cable	4 mm² (EU),300 mm,length can be customized
Weight	27kg
Installation Hole Location	See Drawing Above

Packing Information	
Container	40' HQ
Pallets per Container	20
Pieces per Container	720

Characteristics	
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Pmax	-0.31%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



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SATURN 7



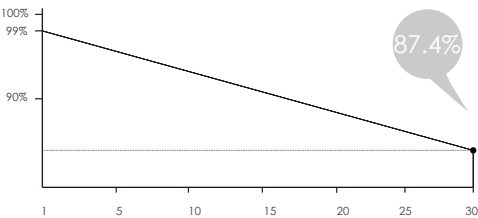
MONO-FACIAL MODULE
RS7-600~625NX-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.56%.

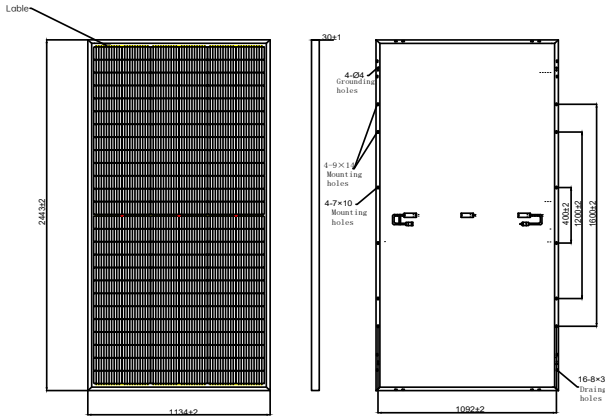
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and Weak light response · Low temperature ratings
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



Drawing Only for Reference

Electrical Characteristics STC	RS7-600NX-E1	RS7-605NX-E1	RS7-610NX-E1	RS7-615NX-E1	RS7-620NX-E1	RS7-625NX-E1
Maximum Power (Pmax)	600W	605W	610W	615W	620W	625W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.66%	21.84%	22.02%	22.20%	22.38%	22.56%
Maximum Power Current (Imp)	12.65A	12.71A	12.77A	12.83A	12.89A	12.95A
Maximum Power Voltage (Vmp)	47.43V	47.60V	47.77V	47.93V	48.10V	48.26V
Short Circuit Current (Isc)	13.29A	13.34A	13.39A	13.45A	13.50A	13.55A
Open Circuit Voltage (Voc)	54.92V	55.17V	55.42V	55.63V	55.87V	56.11V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS7-600NX-E1	RS7-605NX-E1	RS7-610NX-E1	RS7-615NX-E1	RS7-620NX-E1	RS7-625NX-E1
Maximum Power (Pmax)	450.7W	454.5W	458.2W	462.0W	465.7W	469.5W
Maximum Power Current (Imp)	10.22A	10.27A	10.31A	10.36A	10.41A	10.46A
Maximum Power Voltage (Vmp)	44.11V	44.27V	44.42V	44.58V	44.73V	44.88V
Short Circuit Current (Isc)	11.28A	11.32A	11.36A	11.42A	11.46A	11.50A
Open Circuit Voltage (Voc)	51.63V	51.86V	52.10V	52.29V	52.52V	52.75V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,156(6×26)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	2443×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	30kg
Installation Hole Location	See Drawing Above

Packing Information	
Container	40' HQ
Pallets per Container	16
Pieces per Container	576

Characteristics	
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Pmax	-0.31%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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Version number:RS-T4-036-A



SATURN 7



MONO-FACIAL MODULE

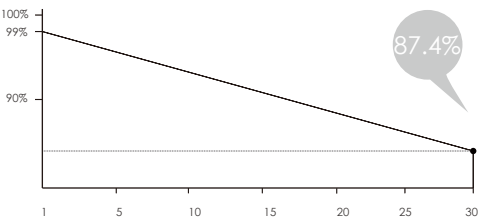
RS7-600~625NX-E2

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.36%.

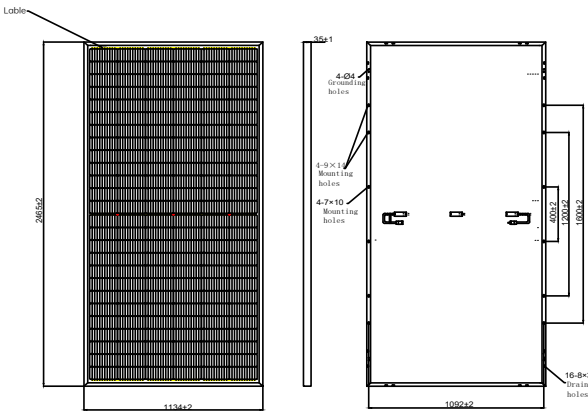
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and Weak light response · Low temperature ratings
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:2015:Quality Management System ISO14001:2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System



30-Year excess linear power output warranty



Drawing Only for Reference

Electrical Characteristics STC	RS7-600NX-E2	RS7-605NX-E2	RS7-610NX-E2	RS7-615NX-E2	RS7-620NX-E2	RS7-625NX-E2
Maximum Power (Pmax)	600W	605W	610W	615W	620W	625W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.46%	21.64%	21.82%	22.00%	22.18%	22.36%
Maximum Power Current (Imp)	12.65A	12.71A	12.77A	12.83A	12.89A	12.95A
Maximum Power Voltage (Vmp)	47.43V	47.60V	47.77V	47.93V	48.10V	48.26V
Short Circuit Current (Isc)	13.29A	13.34A	13.39A	13.45A	13.50A	13.55A
Open Circuit Voltage (Voc)	54.92V	55.17V	55.42V	55.63V	55.87V	56.11V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS7-600NX-E2	RS7-605NX-E2	RS7-610NX-E2	RS7-615NX-E2	RS7-620NX-E2	RS7-625NX-E2
Maximum Power (Pmax)	450.7W	454.5W	458.2W	462.0W	465.7W	469.5W
Maximum Power Current (Imp)	10.22A	10.27A	10.31A	10.36A	10.41A	10.46A
Maximum Power Voltage (Vmp)	44.11V	44.27V	44.42V	44.58V	44.73V	44.88V
Short Circuit Current (Isc)	11.28A	11.32A	11.36A	11.42A	11.46A	11.50A
Open Circuit Voltage (Voc)	51.63V	51.86V	52.10V	52.29V	52.52V	52.75V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

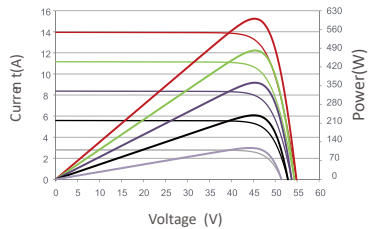
Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,156(6×26)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	1P68 Rated, With Bypass Diodes
Dimension	2465×1134×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	30.6kg
Installation Hole Location	See Drawing Above

Packing Information	
Container	40' HQ
Pallets per Container	16
Pieces per Container	496

Characteristics	
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Pmax	-0.31%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



SATURN 7

RS7-600~625NX-E2
MONO-FACIAL MODULE



Note: Please read the safety and installation instructions before using this product
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Version number:RS-T4-036-A





MONO-FACIAL MODULE

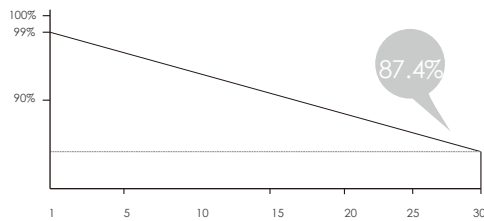
RS41-400~425NX-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.76%

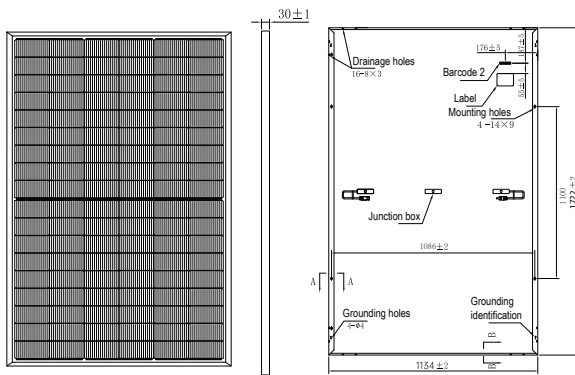
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

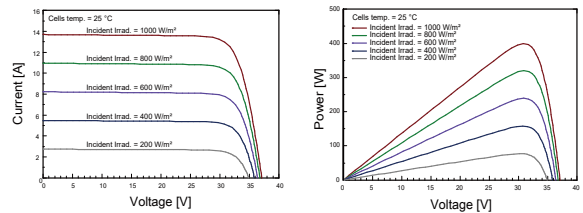
IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



RS41-400~425NX-E3
MONO-FACIAL MODULE



Electrical Characteristics STC	RS41-400NX-E3	RS41-405NX-E3	RS41-410NX-E3	RS41-415NX-E3	RS41-420NX-E3	RS41-425NX-E3
Maximum Power (Pmax)	400W	405W	410W	415W	420W	425W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.48%	20.74%	21.00%	21.25%	21.51%	21.76%
Maximum Power Current (Imp)	12.78A	12.86A	12.94A	13.02A	13.10A	13.17A
Maximum Power Voltage (Vmp)	31.30V	31.49V	31.68V	31.87V	32.06V	32.27V
Short Circuit Current (Isc)	13.55A	13.64A	13.73A	13.82A	13.91A	13.98A
Open Circuit Voltage (Voc)	37.30V	37.51V	37.73V	37.94V	38.15V	38.41V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS41-400NX-E3	RS41-405NX-E3	RS41-410NX-E3	RS41-415NX-E3	RS41-420NX-E3	RS41-425NX-E3
Maximum Power (Pmax)	303.0W	307.0W	311.0W	315.0W	318.0W	322.0W
Maximum Power Current (Imp)	10.44A	10.50A	10.56A	10.62A	10.67A	10.74A
Maximum Power Voltage (Vmp)	29.02V	29.24V	29.45V	29.66V	29.80V	29.98V
Short Circuit Current (Isc)	11.00A	11.08A	11.16A	11.24A	11.29A	11.35A
Open Circuit Voltage (Voc)	35.52V	35.72V	35.93V	36.13V	36.31V	36.58V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type, 182x182(±1)mm, 108(6x18)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	1P68 Rated
Dimension	1722x1134x30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	22kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



Note: Please read the safety and installation instructions before using this product
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Version number:RS-T41-082-A





MONO-FACIAL MODULE

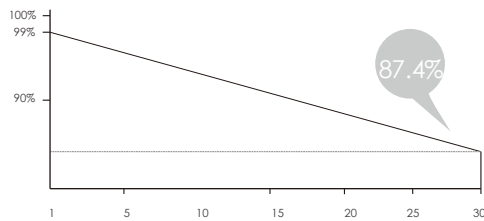
RS41-400~425NX-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.76%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

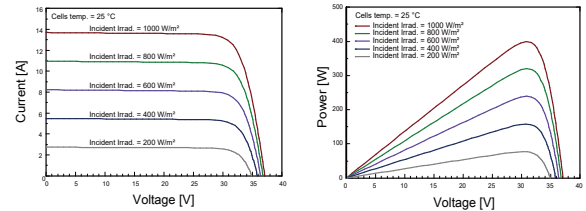
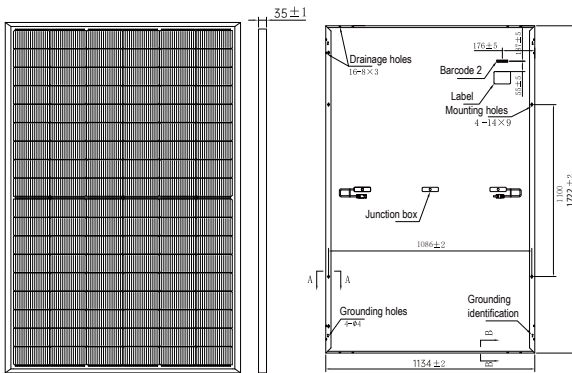
IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



RS41-400~425NX-E3
MONO-FACIAL MODULE



Electrical Characteristics STC	RS41-400NX-E3	RS41-405NX-E3	RS41-410NX-E3	RS41-415NX-E3	RS41-420NX-E3	RS41-425NX-E3
Maximum Power (Pmax)	400W	405W	410W	415W	420W	425W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.48%	20.74%	21.00%	21.25%	21.51%	21.76%
Maximum Power Current (Imp)	12.78A	12.86A	12.94A	13.02A	13.10A	13.17A
Maximum Power Voltage (Vmp)	31.30V	31.49V	31.68V	31.87V	32.06V	32.27V
Short Circuit Current (Isc)	13.55A	13.64A	13.73A	13.82A	13.91A	13.98A
Open Circuit Voltage (Voc)	37.30V	37.51V	37.73V	37.94V	38.15V	38.41V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS41-400NX-E3	RS41-405NX-E3	RS41-410NX-E3	RS41-415NX-E3	RS41-420NX-E3	RS41-425NX-E3
Maximum Power (Pmax)	303.0W	307.0W	311.0W	315.0W	318.0W	322.0W
Maximum Power Current (Imp)	10.44A	10.50A	10.56A	10.62A	10.67A	10.74A
Maximum Power Voltage (Vmp)	29.02V	29.24V	29.45V	29.66V	29.80V	29.98V
Short Circuit Current (Isc)	11.00A	11.08A	11.16A	11.24A	11.29A	11.35A
Open Circuit Voltage (Voc)	35.52V	35.72V	35.93V	36.13V	36.31V	36.58V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type, 182x182(±1)mm, 108(6x18) Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	1P68 Rated
Dimension	1722×1134×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	22kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	26
Pieces per Container	806

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45 °C ± 2 °C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40 °C~+85 °C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



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MONO-FACIAL MODULE

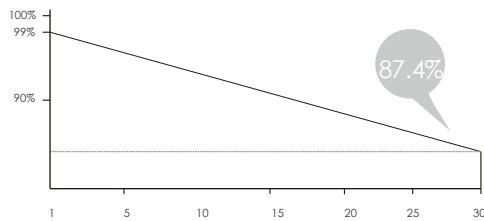
RS41-405~430NX-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.02%

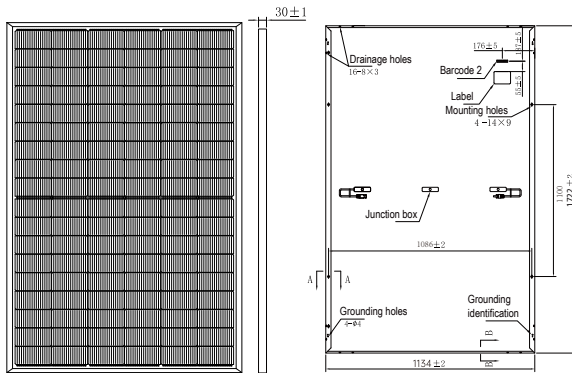
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

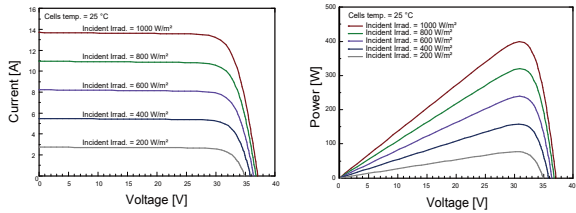
IEC 61215(2016),IEC 61730(2016) ISO9001:2015:Quality Management System ISO14001:2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System



30-Year excess linear power output warranty



RS41-405~430NX-E3
MONO-FACIAL MODULE



Electrical Characteristics STC	RS41-405NX-E3	RS41-410NX-E3	RS41-415NX-E3	RS41-420NX-E3	RS41-425NX-E3	RS41-430NX-E3
Maximum Power (Pmax)	405W	410W	415W	420W	425W	430W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.74%	21.00%	21.25%	21.51%	21.76%	22.02%
Maximum Power Current (Imp)	12.86A	12.94A	13.02A	13.10A	13.17A	13.24A
Maximum Power Voltage (Vmp)	31.49V	31.68V	31.87V	32.06V	32.27V	32.48V
Short Circuit Current (Isc)	13.64A	13.73A	13.82A	13.91A	13.98A	14.06A
Open Circuit Voltage (Voc)	37.51V	37.73V	37.94V	38.15V	38.41V	38.64V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS41-405NX-E3	RS41-410NX-E3	RS41-415NX-E3	RS41-420NX-E3	RS41-425NX-E3	RS41-430NX-E3
Maximum Power (Pmax)	307.0W	311.0W	315.0W	318.0W	322.0W	326.0W
Maximum Power Current (Imp)	10.50A	10.56A	10.62A	10.67A	10.74A	10.81A
Maximum Power Voltage (Vmp)	29.24V	29.45V	29.66V	29.80V	29.98V	30.16V
Short Circuit Current (Isc)	11.08A	11.16A	11.24A	11.29A	11.35A	11.40A
Open Circuit Voltage (Voc)	35.72V	35.93V	36.13V	36.31V	36.58V	36.80V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoN-Type, 182x182(±1)mm, 108(6x18)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	1P68 Rated
Dimension	1722x1134x30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	22kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A



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BIFACIAL MODULE WITH DUAL GLASS

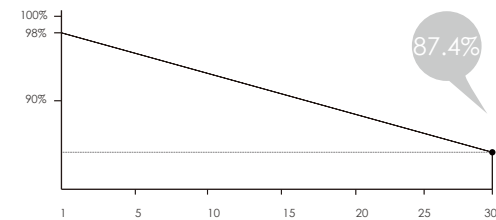
RS4-460~475NXG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.01%

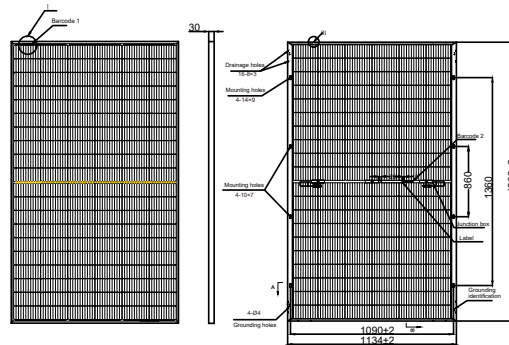
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and Weak light response ·Low temperature ratings
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System

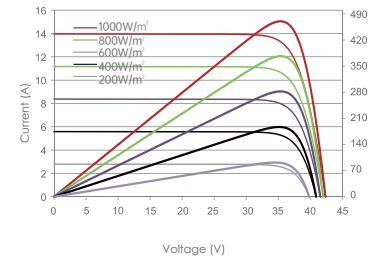


30-Year excess linear power output warranty



Drawing Only for Reference

RS4-460~475NXG-E1 BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS4-460NXG-E1	RS4-465NXG-E1	RS4-470NXG-E1	RS4-475NXG-E1
Maximum Power (Pmax)	460W	465W	470W	475W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.32%	21.55%	21.78%	22.01%
Maximum Power Current (Imp)	12.66A	12.71A	12.76A	12.81A
Maximum Power Voltage (Vmp)	36.33V	36.59V	36.83V	37.08V
Short Circuit Current (Isc)	13.13A	13.21A	13.29A	13.37A
Open Circuit Voltage (Voc)	42.62V	42.82V	43.02V	43.22V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS4-460NXG-E1	RS4-465NXG-E1	RS4-470NXG-E1	RS4-475NXG-E1
Maximum Power (Pmax)	345.6W	349.3W	353.1W	356.8W
Maximum Power Current (Imp)	10.23A	10.27A	10.31A	10.35A
Maximum Power Voltage (Vmp)	33.79V	34.02V	34.26V	34.48V
Short Circuit Current (Isc)	11.14A	11.21A	11.28A	11.35A
Open Circuit Voltage (Voc)	40.06V	40.25V	40.44V	40.63V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS4-460NXG-E1	RS4-465NXG-E1	RS4-470NXG-E1	RS4-475NXG-E1
Maximum Power (Pmax)	556.6W	562.7W	568.7W	574.8W
Maximum Power Current (Imp)	15.32A	15.38A	15.44A	15.50A
Maximum Power Voltage (Vmp)	36.33V	36.59V	36.83V	37.08V
Short Circuit Current (Isc)	15.89A	15.98A	16.08A	16.18A
Open Circuit Voltage (Voc)	42.62V	42.82V	43.02V	43.22V

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,120(6×20)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1903×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	28kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	24
Pieces per Container	864

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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Version number:RS-T41-024-A





BIFACIAL MODULE WITH DUAL GLASS

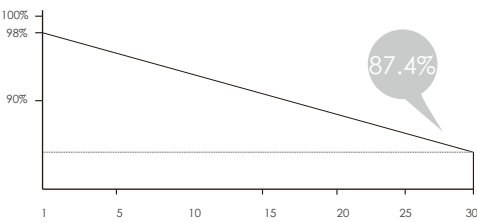
RS6-560~570NXG-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.07%

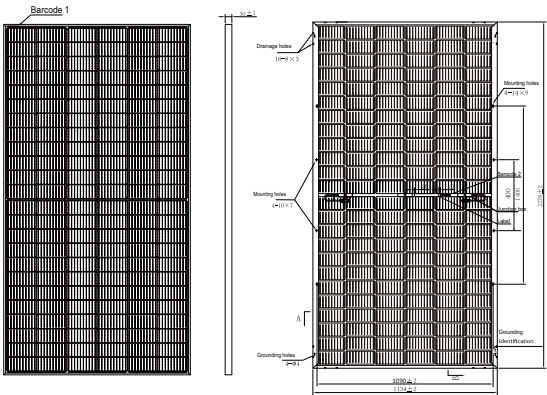
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

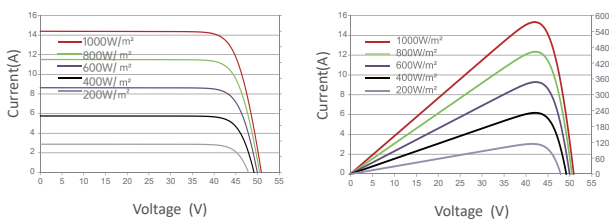
IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



RS6-560~570NXG-E3
BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS6-560NXG-E3	RS6-565NXG-E3	RS6-570NXG-E3
Maximum Power (Pmax)	560W	565W	570W
Power Tolerance	0~+5W	0~+5W	0~+5W
Module Efficiency	21.68%	21.87%	22.07%
Maximum Power Current (Imp)	13.10A	13.16A	13.21A
Maximum Power Voltage (Vmp)	42.75V	42.93V	43.15V
Short Circuit Current (Isc)	13.87A	13.93A	13.99A
Open Circuit Voltage (Voc)	51.01V	51.24V	51.48V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS6-560NXG-E3	RS6-565NXG-E3	RS6-570NXG-E3
Maximum Power (Pmax)	424.0W	428.0W	432.0W
Maximum Power Current (Imp)	10.56A	10.61A	10.65A
Maximum Power Voltage (Vmp)	40.15V	40.34V	40.56V
Short Circuit Current (Isc)	11.18A	11.23A	11.28A
Open Circuit Voltage (Voc)	48.81V	49.05V	49.29V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS6-560NXG-E3	RS6-565NXG-E3	RS6-570NXG-E3
Maximum Power (Pmax)	677.6W	683.7W	689.7W
Maximum Power Current (Imp)	15.85A	15.92A	15.98A
Maximum Power Voltage (Vmp)	42.75V	42.93V	43.15V
Short Circuit Current (Isc)	16.78A	16.86A	16.93A
Open Circuit Voltage (Voc)	51.01V	51.24V	51.48V

Mechanical Characteristics	
Cell Type	MonoN-Type,182×182(±1)mm,144(6×24)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2278×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	32.8kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	20
Pieces per Container	720

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



Note: Please read the safety and installation instructions before using this product
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Version number:RS-T6-019-A





BIFACIAL MODULE WITH DUAL GLASS

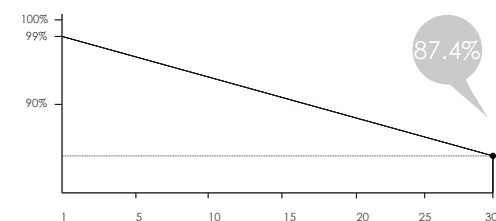
RS41-405~430NXG-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.02%

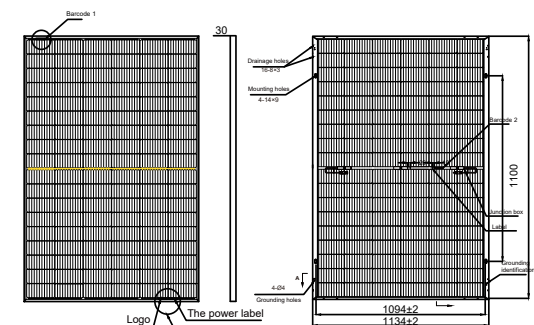
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance · Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

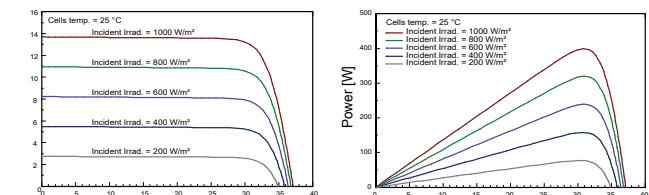
IEC 61215(2016), IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



Drawing Only for Reference

RS41-405~430NXG-E3
BIFACIAL MODULE WITH DUAL GLASS

Electrical Characteristics STC	RS41-405NXG-E3	RS41-410NXG-E3	RS41-415NXG-E3	RS41-420NXG-E3	RS41-425NXG-E3	RS41-430NXG-E3
Maximum Power (Pmax)	405W	410W	415W	420W	425W	430W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.74%	21.00%	21.25%	21.51%	21.76%	22.02%
Maximum Power Current (Imp)	12.78A	12.85A	12.93A	13.00A	13.08A	13.15A
Maximum Power Voltage (Vmp)	31.70V	31.90V	32.10V	32.30V	32.50V	32.70V
Short Circuit Current (Isc)	13.65A	13.74A	13.84A	13.93A	14.02A	14.11A
Open Circuit Voltage (Voc)	37.70V	37.90V	38.10V	38.30V	38.50V	38.70V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS41-405NXG-E3	RS41-410NXG-E3	RS41-415NXG-E3	RS41-420NXG-E3	RS41-425NXG-E3	RS41-430NXG-E3
Maximum Power (Pmax)	302.5W	306.3W	310.0W	313.7W	317.5W	321.2W
Maximum Power Current (Imp)	10.26A	10.32A	10.38A	10.44A	10.50A	10.56A
Maximum Power Voltage (Vmp)	29.48V	29.67V	29.85V	30.04V	30.23V	30.42V
Short Circuit Current (Isc)	11.15A	11.23A	11.30A	11.38A	11.46A	11.53A
Open Circuit Voltage (Voc)	35.06V	35.25V	35.43V	35.62V	35.81V	36.00V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS41-405NXG-E3	RS41-410NXG-E3	RS41-415NXG-E3	RS41-420NXG-E3	RS41-425NXG-E3	RS41-430NXG-E3
Maximum Power (Pmax)	490.1W	496.1W	502.15W	508.2W	514.3W	520.3W
Maximum Power Current (Imp)	15.46A	15.55A	15.64A	15.73A	15.82A	15.91A
Maximum Power Voltage (Vmp)	31.70V	31.90V	32.10V	32.30V	32.50V	32.70V
Short Circuit Current (Isc)	16.51A	16.63A	16.74A	16.85A	16.97A	17.07A
Open Circuit Voltage (Voc)	37.70V	37.90V	38.10V	38.30V	38.50V	38.70V

Mechanical Characteristics

Cell Type	MonoN-Type, 182x182(±1)mm, 108(6x18) Half-Cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1722x1134x30mm
Output Cable	4 mm² (EU), 300 mm, length can be customized
Weight	24.5kg
Connector	MC4 compatible

Packing Information

Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Characteristics

Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Maximum Ratings

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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BIFACIAL MODULE WITH DUAL GLASS

RS4-460~480NBG-E1

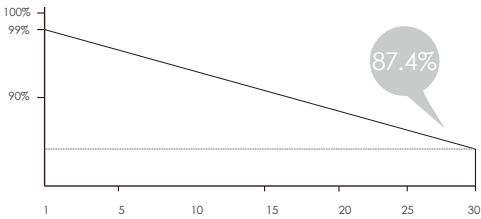
N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.24 %

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

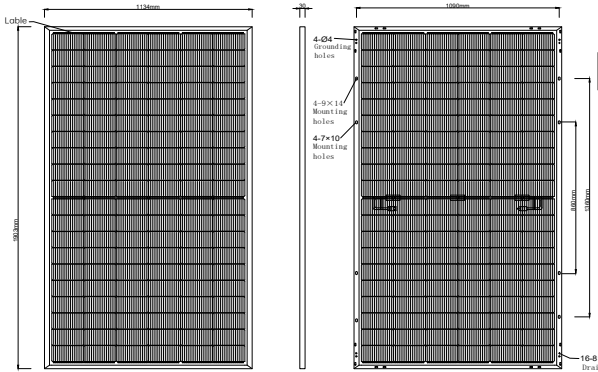


Complete System and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001: 2015:Quality Management System ISO14001: 2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System

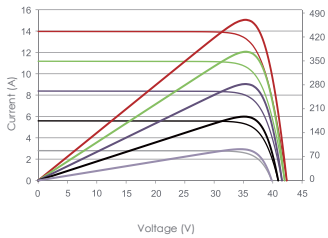


30-Year excess linear power output warranty



Drawing Only for Reference

RS4-460~480NBG-E1
BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS4-460NBG-E1	RS4-465NBG-E1	RS4-470NBG-E1	RS4-475NBG-E1	RS4-480NBG-E1
Maximum Power (Pmax)	460W	465W	470W	475W	480W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.32%	21.55%	21.78%	22.01%	22.24%
Maximum Power Current (Imp)	12.71A	12.76A	12.81A	12.86A	12.91A
Maximum Power Voltage (Vmp)	36.19V	36.44V	36.69V	36.94V	37.18V
Short Circuit Current (Isc)	13.21A	13.29A	13.37A	13.46A	13.55A
Open Circuit Voltage (Voc)	42.36V	42.57V	42.77V	42.93V	43.10V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature25°C)

Electrical Characteristics NOCT	RS4-460NBG-E1	RS4-465NBG-E1	RS4-470NBG-E1	RS4-475NBG-E1	RS4-480NBG-E1
Maximum Power (Pmax)	346W	350W	353W	357W	361W
Maximum Power Current (Imp)	10.27A	10.31A	10.35A	10.39A	10.43A
Maximum Power Voltage (Vmp)	33.66V	33.89V	34.12V	34.35V	34.58V
Short Circuit Current (Isc)	11.21A	11.28A	11.35A	11.42A	11.50A
Open Circuit Voltage (Voc)	39.82V	40.01V	40.20V	40.36V	40.51V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS4-460NBG-E1	RS4-465NBG-E1	RS4-470NBG-E1	RS4-475NBG-E1	RS4-480NBG-E1
Maximum Power (Pmax)	557W	563W	569W	575W	581W
Maximum Power Current (Imp)	15.38A	15.44A	15.50A	15.56A	15.62A
Maximum Power Voltage (Vmp)	36.19 V	36.44V	36.69V	36.94V	37.18 V
Short Circuit Current (Isc)	15.98A	16.08A	16.18A	16.29A	16.40A
Open Circuit Voltage (Voc)	42.36V	42.57V	42.77V	42.93V	43.10V

Mechanical Characteristics	
Cell Type	N-Type,182x182(±1)mm,120(6x20)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1903×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	28kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	24
Pieces per Container	864

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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Version number:RS-T4-013-A





BIFACIAL MODULE WITH DUAL GLASS

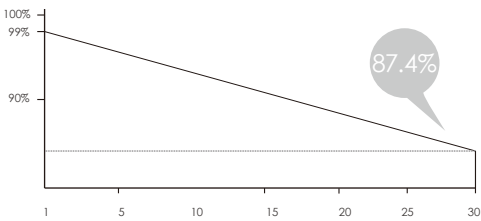
RS4-460~480NBG-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.24 %

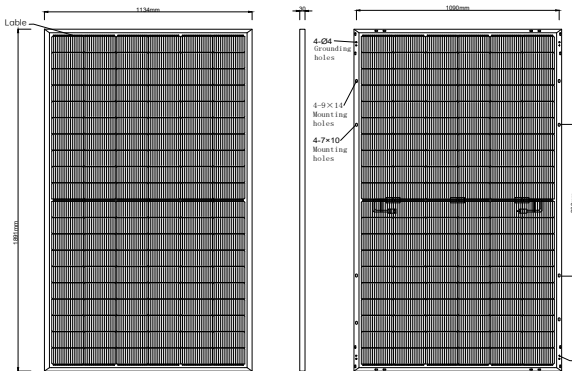
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient ·0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standar
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001: 2015:Quality Management System ISO14001: 2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System



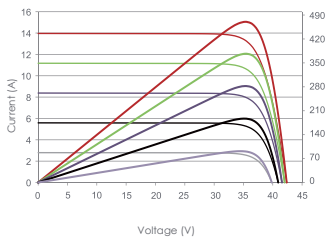
30-Year excess linear power output warranty



Drawing Only for Reference

RS4-460~480NBG-E3

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS4-460NBG-E3	RS4-465NBG-E3	RS4-470NBG-E3	RS4-475NBG-E3	RS4-480NBG-E3
Maximum Power (Pmax)	460W	465W	470W	475W	480W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.32%	21.55%	21.78%	22.01%	22.24%
Maximum Power Current (Imp)	12.71A	12.76A	12.81A	12.86A	12.91A
Maximum Power Voltage (Vmp)	36.19V	36.44V	36.69V	36.94V	37.18V
Short Circuit Current (Isc)	13.21A	13.29A	13.37A	13.46A	13.55A
Open Circuit Voltage (Voc)	42.36V	42.57V	42.77V	42.93V	43.10V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature25°C)

Electrical Characteristics NOCT	RS4-460NBG-E3	RS4-465NBG-E3	RS4-470NBG-E3	RS4-475NBG-E3	RS4-480NBG-E3
Maximum Power (Pmax)	346W	350W	353W	357W	361W
Maximum Power Current (Imp)	10.27A	10.31A	10.35A	10.39A	10.43A
Maximum Power Voltage (Vmp)	33.66V	33.89V	34.12V	34.35V	34.58V
Short Circuit Current (Isc)	11.21A	11.28A	11.35A	11.42A	11.50A
Open Circuit Voltage (Voc)	39.82V	40.01V	40.20V	40.36V	40.51V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS4-460NBG-E3	RS4-465NBG-E3	RS4-470NBG-E3	RS4-475NBG-E3	RS4-480NBG-E3
Maximum Power (Pmax)	557W	563W	569W	575W	581W
Maximum Power Current (Imp)	15.38A	15.44A	15.50A	15.56A	15.62A
Maximum Power Voltage (Vmp)	36.19 V	36.44V	36.69V	36.94V	37.18 V
Short Circuit Current (Isc)	15.98A	16.08A	16.18A	16.29A	16.40A
Open Circuit Voltage (Voc)	42.36V	42.57V	42.77V	42.93V	43.10V

Mechanical Characteristics	
Cell Type	N-Type,182x182(±1)mm,120(6x20)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1891x1134x30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	27.8kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	24
Pieces per Container	864

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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BIFACIAL MODULE WITH DUAL GLASS

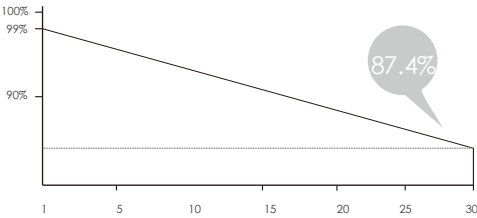
RS6-560~580NBG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.45%

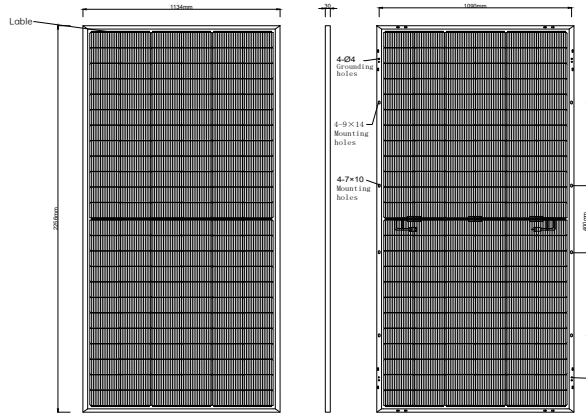
- Suitable for ground power plants and distributed projects
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 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:2015:Quality Management System ISO14001:2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System

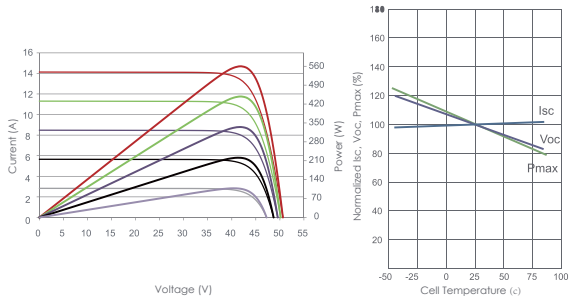


30-Year excess linear power output warranty



Drawing Only for Reference

RS6-560~580NBG-E1



Electrical Characteristics STC	RS6-560NBG-E1	RS6-565NBG-E1	RS6-570NBG-E1	RS6-575NBG-E1	RS6-580NBG-E1
Maximum Power (Pmax)	560W	565W	570W	575W	580W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.68%	21.87%	22.07%	22.26%	22.45%
Maximum Power Current (Imp)	13.16A	13.21A	13.27A	13.32A	13.38A
Maximum Power Voltage (Vmp)	42.55V	42.77V	42.95V	43.17V	43.35V
Short Circuit Current (Isc)	13.93A	13.99A	14.05A	14.11A	14.17A
Open Circuit Voltage (Voc)	51.02V	51.25V	51.48V	51.71V	51.94V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS6-560NBG-E1	RS6-565NBG-E1	RS6-570NBG-E1	RS6-575NBG-E1	RS6-580NBG-E1
Maximum Power (Pmax)	424W	428W	432W	436W	440W
Maximum Power Current (Imp)	10.61A	10.65A	10.70A	10.74A	10.79A
Maximum Power Voltage (Vmp)	39.96V	40.19V	40.37V	40.60V	40.78V
Short Circuit Current (Isc)	11.23A	11.28A	11.33A	11.38A	11.42A
Open Circuit Voltage (Voc)	48.59V	48.83V	49.07V	49.31V	49.59V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS6-560NBG-E1	RS6-565NBG-E1	RS6-570NBG-E1	RS6-575NBG-E1	RS6-580NBG-E1
Maximum Power (Pmax)	678W	684W	690W	696W	702W
Maximum Power Current (Imp)	15.92A	15.98A	16.06A	16.12A	16.19A
Maximum Power Voltage (Vmp)	42.55V	42.77V	42.95V	43.17V	43.35V
Short Circuit Current (Isc)	16.86A	16.93A	17.00A	17.07A	17.15A
Open Circuit Voltage (Voc)	51.02V	51.25V	51.48V	51.71V	51.94V

Mechanical Characteristics	
Cell Type	MonoN-Type, 182x182(±1)mm, 144 (6x24) Half-Cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	1P68 Rated
Dimension	2256×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	31.8kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	20
Pieces per Container	720

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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BIFACIAL MODULE WITH DUAL GLASS

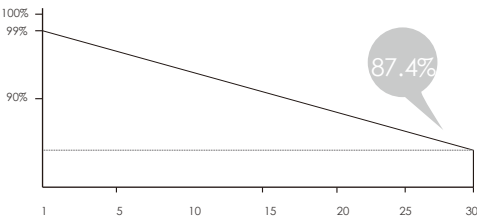
RS6-560~580NBG-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.45%

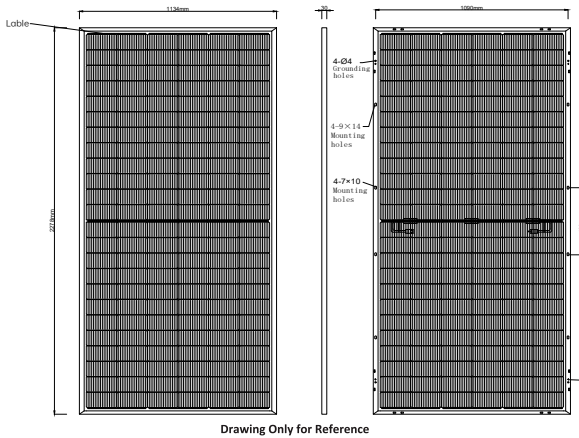
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

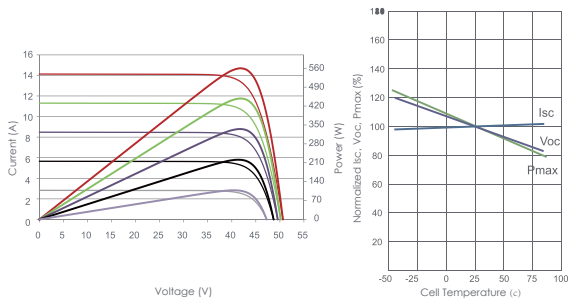
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2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



RS6-560~580NBG-E3



Electrical Characteristics STC	RS6-560NBG-E3	RS6-565NBG-E3	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3
Maximum Power (Pmax)	560W	565W	570W	575W	580W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.68%	21.87%	22.07%	22.26%	22.45%
Maximum Power Current (Imp)	13.16A	13.21A	13.27A	13.32A	13.38A
Maximum Power Voltage (Vmp)	42.55V	42.77V	42.95V	43.17V	43.35V
Short Circuit Current (Isc)	13.93A	13.99A	14.05A	14.11A	14.17A
Open Circuit Voltage (Voc)	51.02V	51.25V	51.48V	51.71V	51.94V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS6-560NBG-E3	RS6-565NBG-E3	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3
Maximum Power (Pmax)	424W	428W	432W	436W	440W
Maximum Power Current (Imp)	10.61A	10.65A	10.70A	10.74A	10.79A
Maximum Power Voltage (Vmp)	39.96V	40.19V	40.37V	40.60V	40.78V
Short Circuit Current (Isc)	11.23A	11.28A	11.33A	11.38A	11.42A
Open Circuit Voltage (Voc)	48.59V	48.83V	49.07V	49.31V	49.59V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS6-560NBG-E3	RS6-565NBG-E3	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3
Maximum Power (Pmax)	678W	684W	690W	696W	702W
Maximum Power Current (Imp)	15.92A	15.98A	16.06A	16.12A	16.19A
Maximum Power Voltage (Vmp)	42.55V	42.77V	42.95V	43.17V	43.35V
Short Circuit Current (Isc)	16.86A	16.93A	17.00A	17.07A	17.15A
Open Circuit Voltage (Voc)	51.02V	51.25V	51.48V	51.71V	51.94V

Mechanical Characteristics	
Cell Type	MonoN-Type, 182x182(±1)mm, 144 (6x24) Half-Cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	1P68 Rated
Dimension	2278×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	32.1 kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	20
Pieces per Container	720

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



Note: Please read the safety and installation instructions before using this product
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Version number:RS-T6-014-A





BIFACIAL MODULE WITH DUAL GLASS

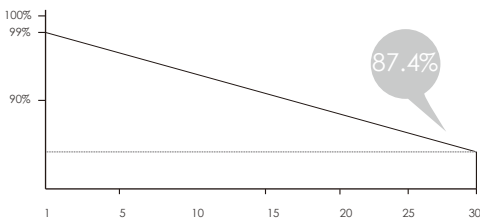
RS7-605~620NBG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.38%

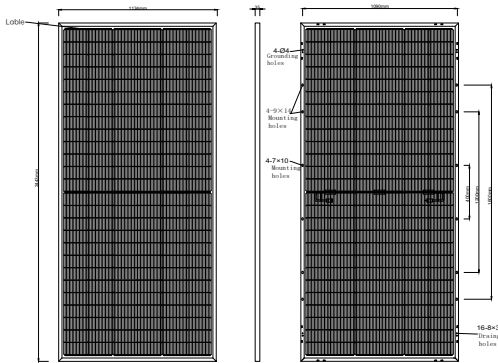
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

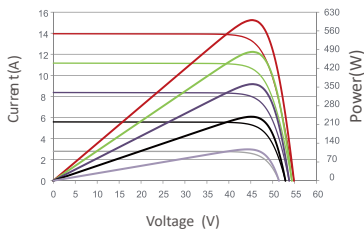
IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



RS7-605~620NBG-E1
BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS7-605NBG-E1	RS7-610NBG-E1	RS7-615NBG-E1	RS7-620NBG-E1
Maximum Power (Pmax)	605W	610W	615W	620W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.84%	22.02%	22.20%	22.38%
Maximum Power Current (Imp)	13.32A	13.38A	13.44A	13.50A
Maximum Power Voltage (Vmp)	45.42V	45.59V	45.76V	45.93V
Short Circuit Current (Isc)	13.95A	14.03A	14.11A	14.19A
Open Circuit Voltage (Voc)	55.17V	55.31V	55.44V	55.58V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS7-605NBG-E1	RS7-610NBG-E1	RS7-615NBG-E1	RS7-620NBG-E1
Maximum Power (Pmax)	455.0W	459.0W	462.0W	466.0W
Maximum Power Current (Imp)	10.77A	10.83A	10.89A	10.95A
Maximum Power Voltage (Vmp)	42.23V	42.35V	42.46V	42.57V
Short Circuit Current (Isc)	11.26A	11.33A	11.39A	11.46A
Open Circuit Voltage (Voc)	52.41V	52.54V	52.66V	52.79V

NOCT Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS7-605NBG-E1	RS7-610NBG-E1	RS7-615NBG-E1	RS7-620NBG-E1
Maximum Power (Pmax)	732W	738W	744W	750W
Maximum Power Current (Imp)	16.12A	16.19A	16.26A	16.34A
Maximum Power Voltage (Vmp)	45.42V	45.59V	45.76V	45.93V
Short Circuit Current (Isc)	16.88A	16.98A	17.07A	17.17A
Open Circuit Voltage (Voc)	55.17V	55.31V	55.44V	55.58V

Mechanical Characteristics	
Cell Type	Mono N-Type,182×182(±1)mm,156(6×26)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2443×1134×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	34.7kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	16
Pieces per Container	496

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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高效单晶硅双面双玻半片太阳能组件

RS7-605~620NBG-E2

N型 /正功率公差为0~+3%/最高效率 22.18%

- 适配超大型地面电站和分布式项目
- 先进技术提升组件功率、效率
 - 无损切割 · 多主栅半片
- 高发电性能
 - 优异的JAM及弱光响应 · 低温度系数 · 0.40%线性功率衰减
- 高品质保证组件长期可靠性
 - 严选材料 · 先进工艺 · 领先标准
- 超亲水自清洁镀膜技术



完整的质量管理体系
与产品认证IEC

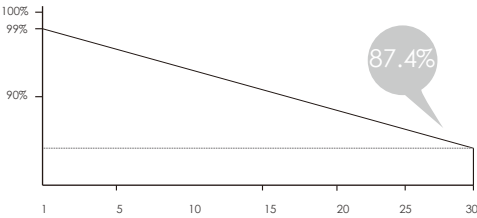
IEC61215(2016),IEC61730(2016)
ISO9001:2015:质量管理体系
ISO14001:2015:环境管理体系
ISO45001:2018:职业健康安全管理体系

12 年

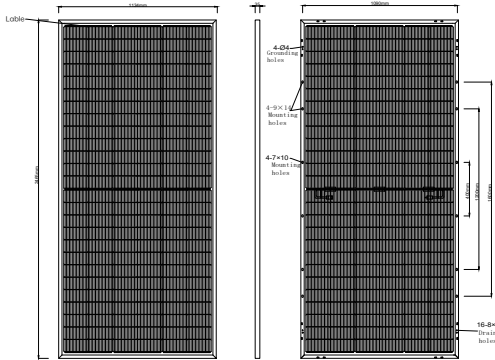
产品材料与工艺质保

30 年

线性功率输出

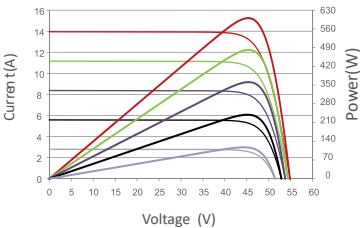


30年超额线性功率输出质保



RS7-605~620NBG-E2

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS7-605NBG-E2	RS7-610NBG-E2	RS7-615NBG-E2	RS7-620NBG-E2
Maximum Power (Pmax)	605W	610W	615W	620W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.64%	21.82%	22.00%	22.18%
Maximum Power Current (Imp)	13.32A	13.38A	13.44A	13.50A
Maximum Power Voltage (Vmp)	45.42V	45.59V	45.76V	45.93V
Short Circuit Current (Isc)	13.95A	14.03A	14.11A	14.19A
Open Circuit Voltage (Voc)	55.17V	55.31V	55.44V	55.58V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	RS7-605NBG-E2	RS7-610NBG-E2	RS7-615NBG-E2	RS7-620NBG-E2
Maximum Power (Pmax)	455.0W	459.0W	462.0W	466.0W
Maximum Power Current (Imp)	10.77A	10.83A	10.89A	10.95A
Maximum Power Voltage (Vmp)	42.23V	42.35V	42.46V	42.57V
Short Circuit Current (Isc)	11.26A	11.33A	11.39A	11.46A
Open Circuit Voltage (Voc)	52.41V	52.54V	52.66V	52.79V

NOCT Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS7-605NBG-E2	RS7-610NBG-E2	RS7-615NBG-E2	RS7-620NBG-E2
Maximum Power (Pmax)	732W	738W	744W	750W
Maximum Power Current (Imp)	16.12A	16.19A	16.26A	16.34A
Maximum Power Voltage (Vmp)	45.42V	45.59V	45.76V	45.93V
Short Circuit Current (Isc)	16.88A	16.98A	17.07A	17.17A
Open Circuit Voltage (Voc)	55.17V	55.31V	55.44V	55.58V

Mechanical Characteristics	
Cell Type	Mono N-Type,182×182(±1)mm,156(6×26)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2465×1134×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	35kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	16
Pieces per Container	496

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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BIFACIAL MODULE WITH DUAL GLASS

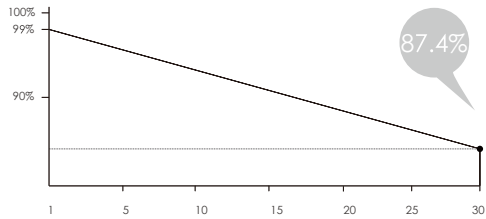
RS41-410~430NBG-E2

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.94%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:2015:Quality Management System ISO14001:2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System



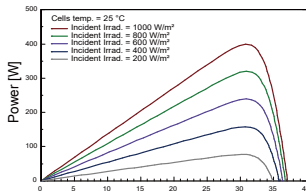
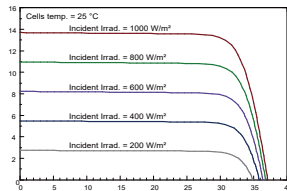
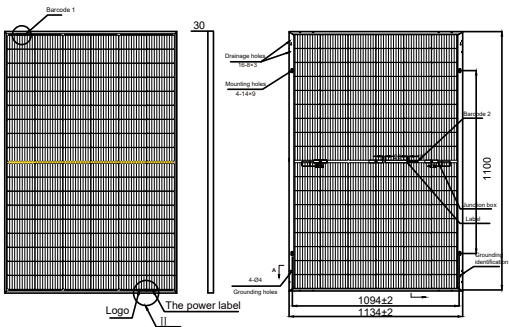
30-Year excess linear power output warranty



SATURN⁴¹

RS41-410~430NBG-E2

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS41-410NBG-E2	RS41-415NBG-E2	RS41-420NBG-E2	RS41-425NBG-E2	RS41-430NBG-E2
Maximum Power (Pmax)	410W	415W	420W	425W	430W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.92%	21.18%	21.43%	21.69%	21.94%
Maximum Power Current (Imp)	13.02A	13.10A	13.17A	13.24A	13.32A
Maximum Power Voltage (Vmp)	31.50V	31.70V	31.90V	32.10V	32.30V
Short Circuit Current (Isc)	13.82A	13.91A	13.98A	14.05A	14.12A
Open Circuit Voltage (Voc)	37.50V	37.70V	37.90V	38.10V	38.30V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature25°C)

Electrical Characteristics NOCT	RS41-410NBG-E2	RS41-415NBG-E2	RS41-420NBG-E2	RS41-425NBG-E2	RS41-430NBG-E2
Maximum Power (Pmax)	311W	315W	318W	322W	326W
Maximum Power Current (Imp)	10.50A	10.56A	10.62A	10.67A	10.74A
Maximum Power Voltage (Vmp)	29.60V	29.80V	30.00V	30.20V	30.30V
Short Circuit Current (Isc)	11.14A	11.22A	11.27A	11.33A	11.38A
Open Circuit Voltage (Voc)	35.80V	36.00V	36.20V	36.40V	36.60V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS41-410NBG-E2	RS41-415NBG-E2	RS41-420NBG-E2	RS41-425NBG-E2	RS41-430NBG-E2
Maximum Power (Pmax)	496.10W	502.15W	508.20W	514.25W	520.30W
Maximum Power Current (Imp)	15.75A	15.85A	15.93A	16.02A	16.11A
Maximum Power Voltage (Vmp)	31.50V	31.70V	31.90V	32.10V	32.30V
Short Circuit Current (Isc)	16.72A	16.83A	16.92A	17.00A	17.09A
Open Circuit Voltage (Voc)	37.50V	37.70V	37.90V	38.10V	38.30V

Mechanical Characteristics	
Cell Type	MonoN-Type,182x182(±1)mm,108(6x18)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	1728×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	24.5kg
Installation Hole Location	See Drawing Above

Packing Information	
Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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Version number:RS-T41-015-A





BIFACIAL MODULE WITH DUAL GLASS

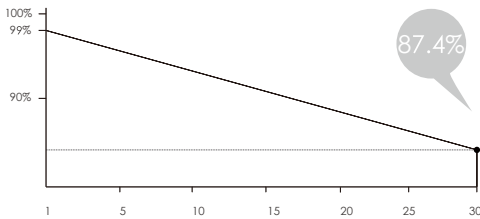
RS41-410~430NBG-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.02%

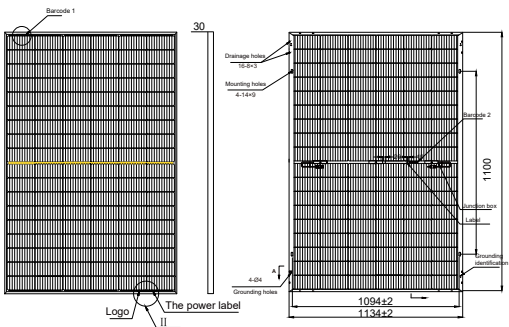
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standar
- Ultra-hydrophilic self-cleaning coating techniques

Complete System and IEC Product Certification

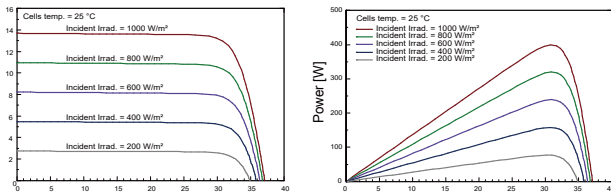
IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



RS41-410~430NBG-E3
BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS41-410NBG-E3	RS41-415NBG-E3	RS41-420NBG-E3	RS41-425NBG-E3	RS41-430NBG-E3
Maximum Power (Pmax)	410W	415W	420W	425W	430W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.00%	21.25%	21.51%	21.76%	22.02%
Maximum Power Current (Imp)	13.02A	13.10A	13.17A	13.24A	13.32A
Maximum Power Voltage (Vmp)	31.50V	31.70V	31.90V	32.10V	32.30V
Short Circuit Current (Isc)	13.82A	13.91A	13.98A	14.05A	14.12A
Open Circuit Voltage (Voc)	37.50V	37.70V	37.90V	38.10V	38.30V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature25°C)

Electrical Characteristics NOCT	RS41-410NBG-E3	RS41-415NBG-E3	RS41-420NBG-E3	RS41-425NBG-E3	RS41-430NBG-E3
Maximum Power (Pmax)	311W	315W	318W	322W	326W
Maximum Power Current (Imp)	10.50A	10.56A	10.62A	10.67A	10.74A
Maximum Power Voltage (Vmp)	29.60V	29.80V	30.00V	30.20V	30.30V
Short Circuit Current (Isc)	11.14A	11.22A	11.27A	11.33A	11.38A
Open Circuit Voltage (Voc)	35.80V	36.00V	36.20V	36.40V	36.60V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS41-410NBG-E3	RS41-415NBG-E3	RS41-420NBG-E3	RS41-425NBG-E3	RS41-430NBG-E3
Maximum Power (Pmax)	496.10W	502.15W	508.20W	514.25W	520.30W
Maximum Power Current (Imp)	15.75A	15.85A	15.93A	16.02A	16.11A
Maximum Power Voltage (Vmp)	31.50V	31.70V	31.90V	32.10V	32.30V
Short Circuit Current (Isc)	16.72A	16.83A	16.92A	17.00A	17.09A
Open Circuit Voltage (Voc)	37.50V	37.70V	37.90V	38.10V	38.30V

Mechanical Characteristics	
Cell Type	MonoN-Type,182x182(±1)mm,108(6x18)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1722×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	24.5kg
Connector	MC4 compatible

Packing Information	
Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



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Version number:RS-T41-016-A





BIFACIAL MODULE WITH DUAL GLASS

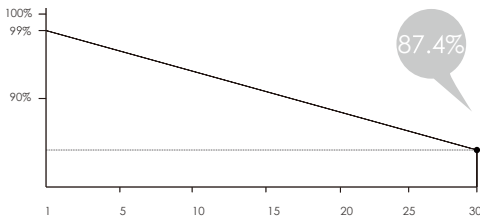
RS41-410~430NBG-E5

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.20%

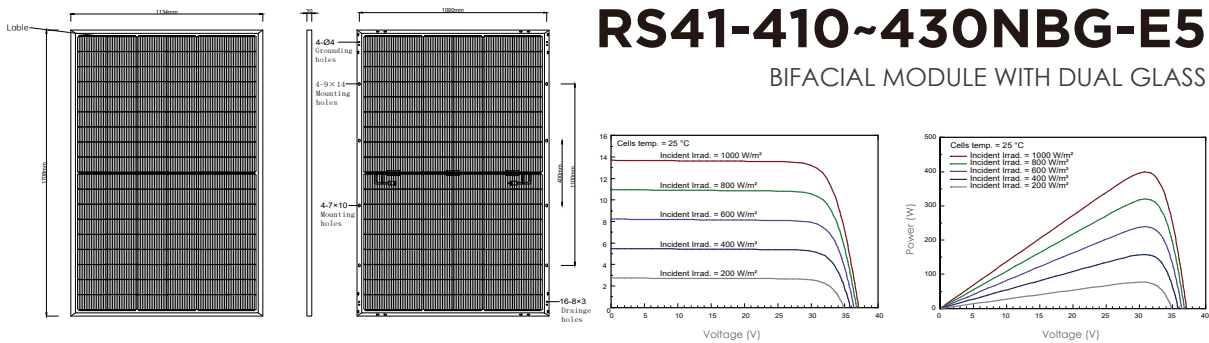
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Non destructive cutting ·MBB half-cut
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

Complete System
and IEC Product Certification

IEC 61215(2016),IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year excess linear power output warranty



RS41-410~430NBG-E5
BIFACIAL MODULE WITH DUAL GLASS

Drawing Only for Reference

Electrical Characteristics STC	RS41-410NBG-E5	RS41-415NBG-E5	RS41-420NBG-E5	RS41-425NBG-E5	RS41-430NBG-E5
Maximum Power (Pmax)	410W	415W	420W	425W	430W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.92%	21.18%	21.43%	21.69%	21.94%
Maximum Power Current (Imp)	13.02A	13.10A	13.17A	13.24A	13.32A
Maximum Power Voltage (Vmp)	31.50V	31.70V	31.90V	32.10V	32.30V
Short Circuit Current (Isc)	13.82A	13.91A	13.98A	14.05A	14.12A
Open Circuit Voltage (Voc)	37.50V	37.70V	37.90V	38.10V	38.30V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature25°C)

Electrical Characteristics NOCT	RS41-410NBG-E5	RS41-415NBG-E5	RS41-420NBG-E5	RS41-425NBG-E5	RS41-430NBG-E5
Maximum Power (Pmax)	311W	315W	318W	322W	326W
Maximum Power Current (Imp)	10.50A	10.56A	10.62A	10.67A	10.74A
Maximum Power Voltage (Vmp)	29.60V	29.80V	30.00V	30.20V	30.30V
Short Circuit Current (Isc)	11.14A	11.22A	11.27A	11.33A	11.38A
Open Circuit Voltage (Voc)	35.80V	36.00V	36.20V	36.40V	36.60V

NOCT , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS41-410NBG-E5	RS41-415NBG-E5	RS41-420NBG-E5	RS41-425NBG-E5	RS41-430NBG-E5
Maximum Power (Pmax)	496.10W	502.15W	508.20W	514.25W	520.30W
Maximum Power Current (Imp)	15.75A	15.85A	15.93A	16.02A	16.11A
Maximum Power Voltage (Vmp)	31.50V	31.70V	31.90V	32.10V	32.30V
Short Circuit Current (Isc)	16.72A	16.83A	16.92A	17.00A	17.09A
Open Circuit Voltage (Voc)	37.50V	37.70V	37.90V	38.10V	38.30V

Mechanical Characteristics	
Cell Type	MonoN-Type,182x182(±1)mm,108(6x18)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	1708×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	24.3kg
Installation Hole Location	See Drawing Above

Packing Information	
Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Characteristics	
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



Note: Please read the safety and installation instructions before using this product
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