

BIFACIAL MODULE WITH DUAL GLASS

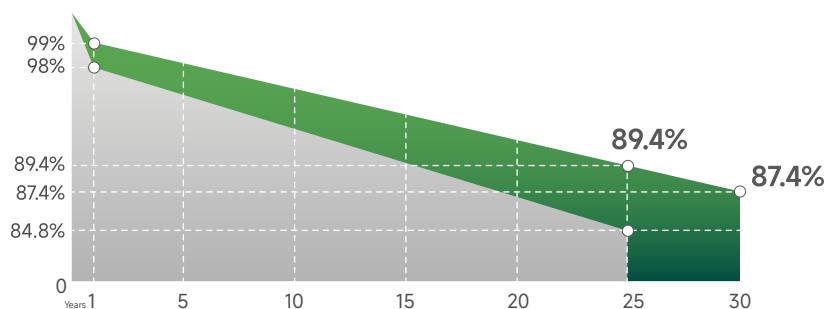
RS5J-635~650NXG-E1

N-Type /Positive power tolerance of $\pm 3\%$ /Max module efficiency 24.06%

- 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
- Enhanced Mechanical Load
 - Mechanical performance up to 5400pa positive load and 2400pa negative load

Complete System and IEC Product Certification

IEC 61215:2021, IEC 61730:2023, 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

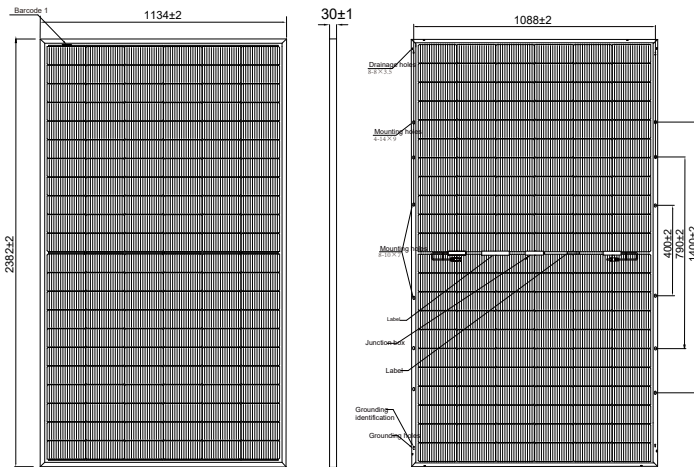
The power performance warranty is for front side only.

BLOOMBERG
TIER 1
 Global
 Leading Brand

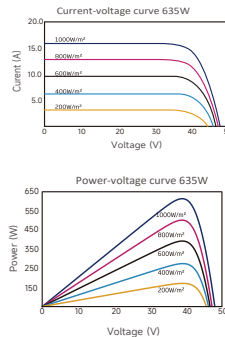


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Drawing Only for Reference



PV Connectors Make: Zeran Co., Ltd.
PV Connectors Model: Z4S-abcde

Electrical Characteristics STC	RS5J-635NXG-E1	RS5J-640NXG-E1	RS5J-645NXG-E1	RS5J-650NXG-E1
Maximum Power (Pmax)	635W	640W	645W	650W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	23.51%	23.69%	23.88%	24.06%
Maximum Power Current (Imp)	15.41A	15.46A	15.51A	15.56A
Maximum Power Voltage (Vmp)	41.21V	41.40V	41.59V	41.77V
Short Circuit Current (Isc)	16.26A	16.32A	16.38A	16.44A
Open Circuit Voltage (Voc)	49.68V	49.88V	50.08V	50.28V

Values at Standard Test Conditions STC (AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)
Tolerance of Power/Voc/Isc : ±3%/±3%/±3%

Electrical Characteristics BNPI	RS5J-635NXG-E1	RS5J-640NXG-E1	RS5J-645NXG-E1	RS5J-650NXG-E1
	BNPI	BNPI	BNPI	BNPI
Maximum Power (Pmax)	704W	709W	715W	720W
Maximum Power Current (Imp)	17.07A	17.13A	17.19A	17.24A
Maximum Power Voltage (Vmp)	41.21V	41.40V	41.59V	41.77V
Short Circuit Current (Isc)	18.02A	18.08A	18.15A	18.22A
Short Circuit Current (BSI Isc)	20.16A	20.24A	20.31A	20.39A
Open Circuit Voltage (Voc)	49.68V	49.88V	50.08V	50.28V

BNPI: Irradiance: Front 1000W/m², Rear 135W/m², Ambient Temperature 25°C, AM=1.5, Power Bifaciality: 80±5%.
Short-circuit current bifaciality coefficient: (80±5)%; Open circuit voltage bifaciality coefficient: (98±5)%; Maximum power bifaciality coefficient: (80±5)%;

Electrical Characteristics rear side power gain	RS5J-635NXG-E1	RS5J-640NXG-E1	RS5J-645NXG-E1	RS5J-650NXG-E1
	5% 10%	5% 10%	5% 10%	5% 10%
Backside Power Gain	5% 10%	5% 10%	5% 10%	5% 10%
Maximum Power (Pmax)	667W 699W	672W 704W	677W 710W	683W 715W
Maximum Power Current (Imp)	16.18A 16.95A	16.23A 17.01A	16.29A 17.06A	16.34A 17.12A
Maximum Power Voltage (Vmp)	41.21V 41.21V	41.40V 41.40V	41.59V 41.59V	41.77V 41.77V
Short Circuit Current (Isc)	17.07A 17.89A	17.14A 17.95A	17.20A 18.02A	17.26A 18.08A
Open Circuit Voltage (Voc)	49.68V 49.68V	49.88V 49.88V	50.08V 50.08V	50.28V 50.28V

Module Temperature rating [T98] max of 70°C

Mechanical Characteristics	
Cell Type	Mono N-Type, 132(6×22) Half-Cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Semi-Tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2382x1134x30mm
Output Cable	4mm²(EU), +200mm, ~300mm or Customized
Weight	32.4kg
Installation Hole Location	See Drawing Above

Packing Information	
Container	40' HQ
Pallets per Container	20
Pieces per Container	740

Characteristics	
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	43±2°C
Fire Performance	Class 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	35A

