

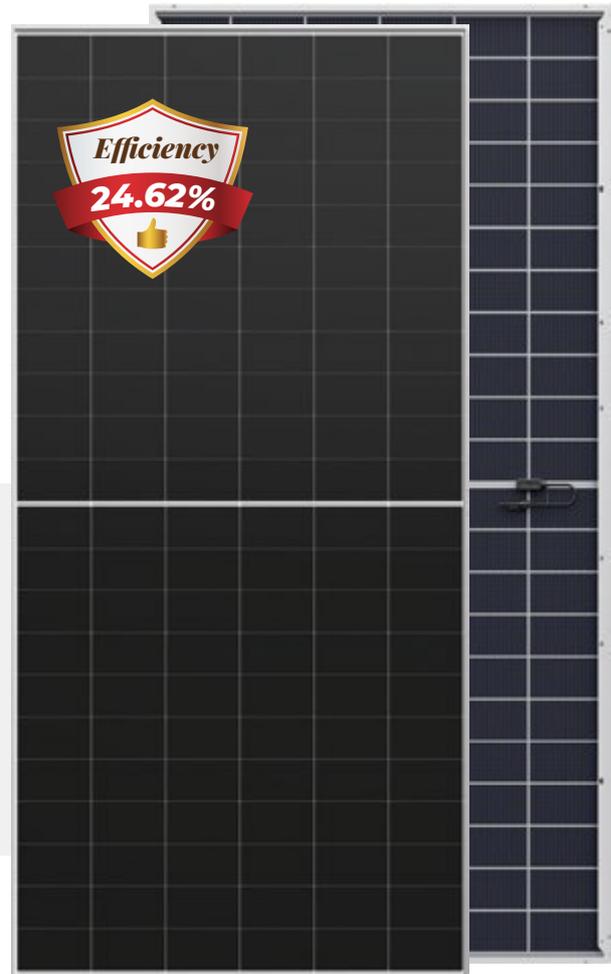


BIFACIAL MODULE WITH DUAL GLASS

RS5J-640~665IBG-E1

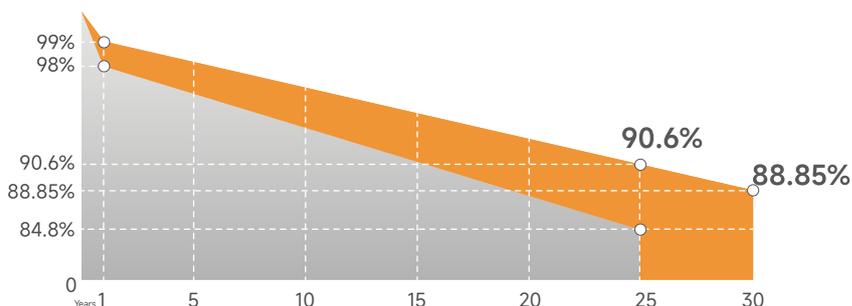
BC-Type / Positive power tolerance of 0~+3%/Max module efficiency 24.62%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Partial Shading Optimisation · PFAS - free
- Excellent power generation performance
 - Better Temperature Coefficient · High Temperature Restriction · Higher Power
- High module quality ensures long-term reliability
 - Micro - crack Resistance · More Aesthetic Values · Lower BOS



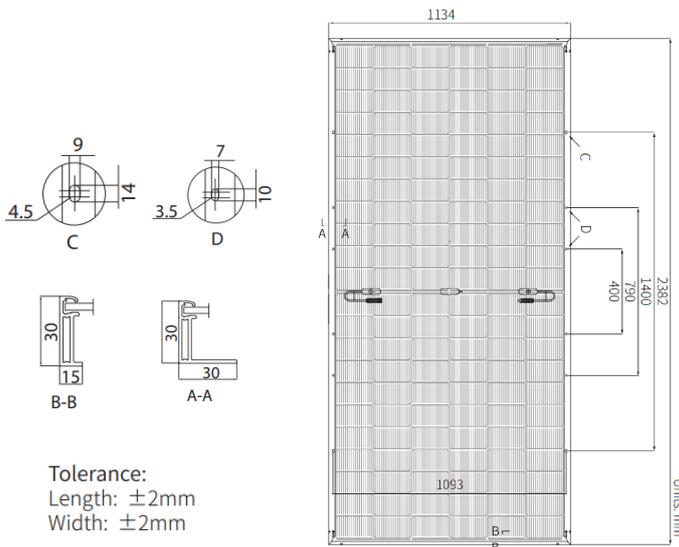
Complete System and IEC Product Certification

IEC 61215 IEC 61730 ISO 9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health and Safety Management System



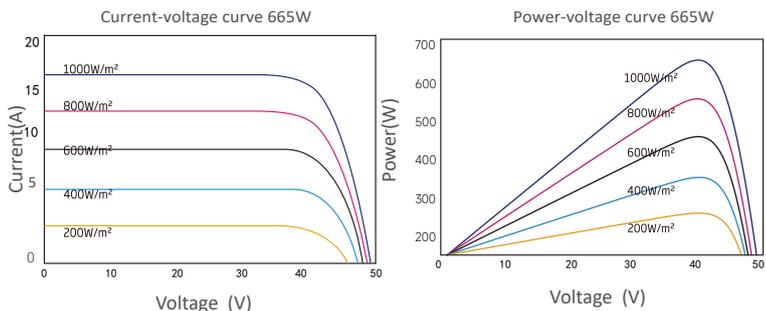
30-Year Excess Linear Power Output Warranty

BLOOMBERG
TIER 1
Global
Leading Brand



RS5J-640~665IBG-E1

BIFACIAL MODULE WITH DUAL GLASS



Drawing Only for Reference

Electrical Characteristics STC	RS5J-640IBG-E1	RS5J-645IBG-E1	RS5J-650IBG-E1	RS5J-655IBG-E1	RS5J-660IBG-E1	RS5J-665IBG-E1
Maximum Power (Pmax)	640W	645W	650W	655W	660W	665W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	23.69%	23.88%	24.06%	24.25%	24.43%	24.62%
Maximum Power Current (Imp)	15.69A	15.78A	15.86A	15.94A	16.03A	16.11A
Maximum Power Voltage (Vmp)	40.78V	40.88V	40.98V	41.08V	41.18V	41.28V
Short Circuit Current (Isc)	16.38A	16.46A	16.54A	16.62A	16.70A	16.78A
Open Circuit Voltage (Voc)	49.52V	49.62V	49.72V	49.82V	49.92V	50.02V

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

Electrical Characteristics NOCT	RS5J-640IBG-E1	RS5J-645IBG-E1	RS5J-650IBG-E1	RS5J-655IBG-E1	RS5J-660IBG-E1	RS5J-665IBG-E1
Maximum Power (Pmax)	487W	491W	495W	499W	502W	506W
Maximum Power Current (Imp)	12.58A	12.65A	12.72A	12.78A	12.85A	12.92A
Maximum Power Voltage (Vmp)	38.76V	38.85V	38.95V	39.04V	39.14V	39.23V
Short Circuit Current (Isc)	13.16A	13.22A	13.28A	13.35A	13.41A	13.48A
Open Circuit Voltage (Voc)	47.06V	47.16V	47.25V	47.35V	47.44V	47.54V

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

Electrical Characteristics With 10% Rear Side Power Gain	RS5J-640IBG-E1	RS5J-645IBG-E1	RS5J-650IBG-E1	RS5J-655IBG-E1	RS5J-660IBG-E1	RS5J-665IBG-E1
Maximum Power (Pmax)	704W	710W	715W	721W	726W	732W
Maximum Power Current (Imp)	17.26A	17.36A	17.45A	17.53A	17.63A	17.72A
Maximum Power Voltage (Vmp)	40.78V	40.88V	40.98V	41.08V	41.18V	41.28V
Short Circuit Current (Isc)	18.02A	18.11A	18.19A	18.28A	18.37A	18.46A
Open Circuit Voltage (Voc)	49.52V	49.62V	49.72V	49.82V	49.92V	50.02V

Mechanical Characteristics	
Cell Type	Mono BC-type, 132(6X22) Half-cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Semi-tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2382x1134x30
Output Cable	4mm²(EU), +400mm, -200mm or Customized
Weight	33.5kg
Connector	MC4 Compatible

Characteristics	
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Pmax	-0.26%/°C
Nominal Operating Cell Temperature (NOCT)	43±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	20
Pieces per Container	720

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	35A



Note: Please read the safety and installation instructions before using this product
Version number: RS-T6-02-B-EN

