CAPRICORN

ReneSola

BIFACIAL MODULE WITH DUAL GLASS

RSC-560~580MBG-E1

P-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.45%

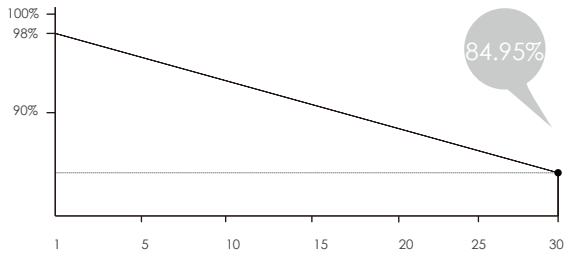
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
  ·Gallium-doped Wafer·Non destructive cutting ·MBB half-cut
- Excellent power generation performance
  ·Excellent IAM and Weak light response ·Low temperature ratings
  ·0.45% 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

12-year Material & Workmanship

30-year Linear Power Output

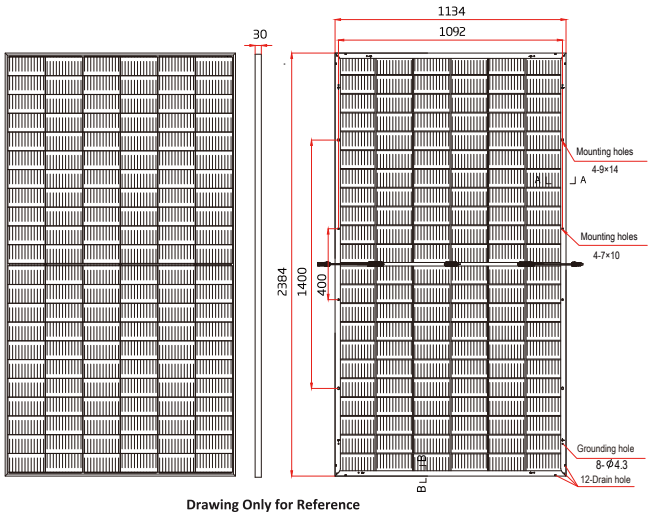


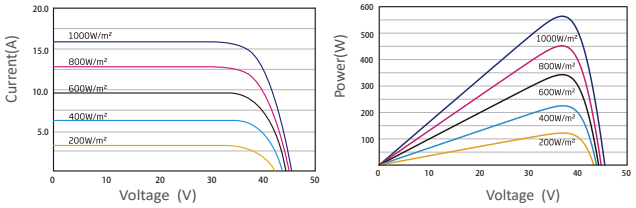
30-Year excess linear power output warranty

CAPRICORN

RSC-560~580MBG-E1

BIFACIAL MODULE WITH DUAL GLASS





Electrical Characteristics STC	RSC-560MBG-E1	RSC-565MBG-E1	RSC-570MBG-E1	RSC-575MBG-E1	RSC-580MBG-E1
Maximum Power (Pmax)	560W	565W	570W	575W	580W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.71%	20.90%	21.08%	21.27%	21.45%
Maximum Power Current (Imp)	14.76A	14.80A	14.84A	14.87A	14.90A
Maximum Power Voltage (Vmp)	37.90V	38.20V	38.40V	38.70V	39.00V
Short Circuit Current (Isc)	15.86A	15.90A	15.93A	15.97A	16.00A
Open Circuit Voltage (Voc)	45.20V	45.50V	45.70V	46.00V	46.30V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m^2, Cell Temperature 25°C)

Electrical Characteristics NOCT	RSC-560MBG-E1	RSC-565MBG-E1	RSC-570MBG-E1	RSC-575MBG-E1	RSC-580MBG-E1
Maximum Power (Pmax)	424W	428W	431W	436W	439W
Maximum Power Current (Imp)	12.12A	12.15A	12.18A	12.22A	12.25A
Maximum Power Voltage (Vmp)	34.90V	35.20V	35.40V	35.70V	35.84V
Short Circuit Current (Isc)	12.78A	12.81A	12.84A	12.87A	12.90A
Open Circuit Voltage (Voc)	42.60V	42.80V	43.00V	43.30V	43.50V

NOCT , Irradiance of 800W/m^2, AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RSC-560MBG-E1	RSC-565MBG-E1	RSC-570MBG-E1	RSC-575MBG-E1	RSC-580MBG-E1
Maximum Power (Pmax)	677.6W	683.7W	689.7W	695.8W	701.8W
Maximum Power Current (Imp)	17.88A	17.90A	17.96A	17.98A	18.00A
Maximum Power Voltage (Vmp)	37.90V	38.20V	38.40V	38.70V	39.00V
Short Circuit Current (Isc)	19.16A	19.20A	19.29A	19.33A	19.36A
Open Circuit Voltage (Voc)	45.20V	45.50V	45.70V	46.00V	46.30V

Mechanical Characteristics	
Cell Type	MonoP-Type, 132(6x22)Half-Cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated, With Bypass Diodes
Dimension	2384×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	33.7kg
Installation Hole Location	See Drawing Above

Characteristics	
Temperature Coefficient of Voc	-0.25%/℃
Temperature Coefficient of Isc	+0.04%/℃
Temperature Coefficient of Pmax	-0.34%/℃
Nominal Operating Cell Temperature (NOCT)	43℃±2℃

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℃~+85℃
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	35A

ReneSola

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

web: www.renesola-energy.com

Version number:RS-TC-083-A