Jupiter 8

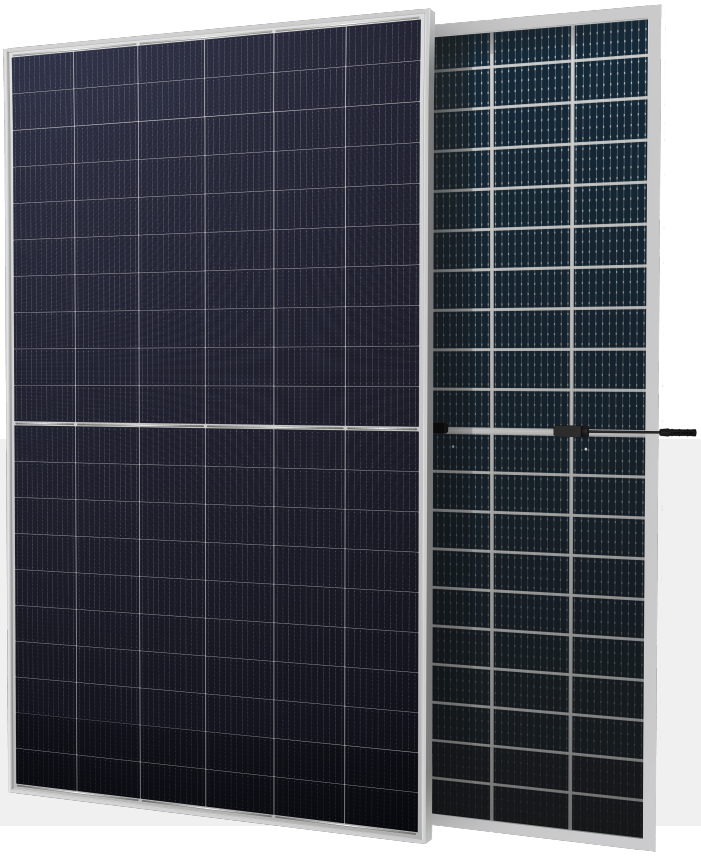
ReneSola

BIFACIAL MODULE WITH DUAL GLASS

RS8-580~600MBG-E1

P-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.20%

- 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

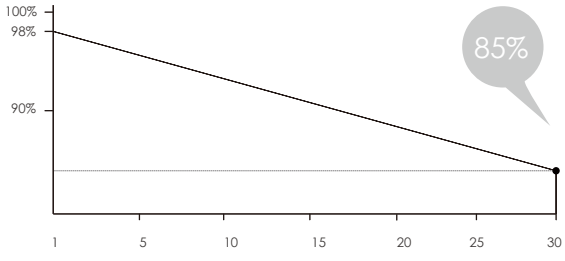


Complete System and IEC Product Certification

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

Jupiter 8

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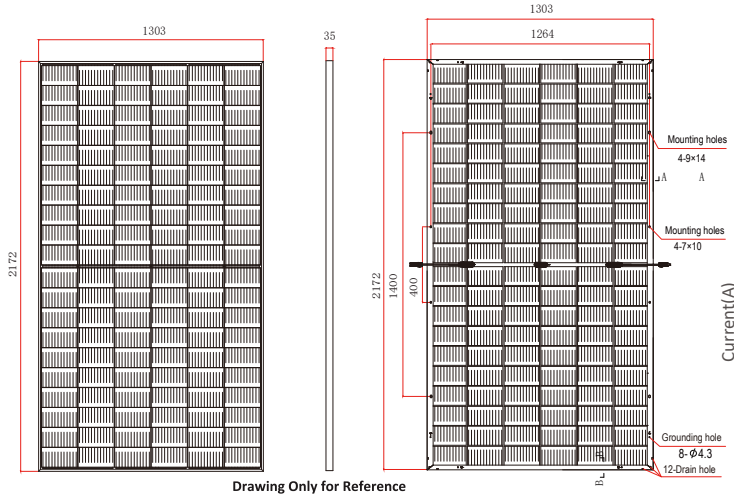
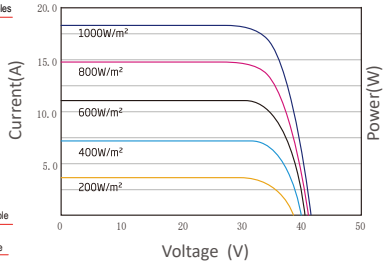
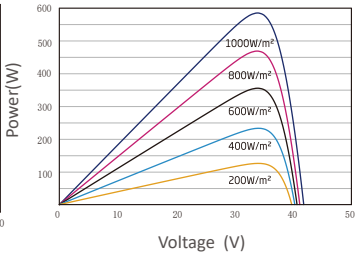
BIFACIAL MODULE WITH DUAL GLASS



Drawing Only for Reference





Electrical Characteristics STC	RS8-580MBG-E1	RS8-585MBG-E1	RS8-590MBG-E1	RS8-595MBG-E1	RS8-600MBG-E1
Maximum Power (Pmax)	580W	585W	590W	595W	600W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.49%	20.67%	20.85%	21.02%	21.20%
Maximum Power Current (Imp)	17.16A	17.20A	17.25A	17.30A	17.34A
Maximum Power Voltage (Vmp)	33.80V	34.00V	34.20V	34.40V	34.60V
Short Circuit Current (Isc)	18.21A	18.26A	18.31A	18.36A	18.42A
Open Circuit Voltage (Voc)	40.91V	41.12V	41.30V	41.50V	41.70V

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

Electerical Characteristics NMOT	RS8-580MBG-E1	RS8-585MBG-E1	RS8-590MBG-E1	RS8-595MBG-E1	RS8-600MBG-E1
Maximum Power (Pmax)	439W	443W	447W	451W	454W
Maximum Power Current (Imp)	13.94A	13.98A	14.02A	14.06A	14.10A
Maximum Power Voltage (Vmp)	31.50V	31.70V	31.90V	32.00V	32.20V
Short Circuit Current (Isc)	14.69A	14.73A	14.77A	14.80A	14.84A
Open Circuit Voltage (Voc)	38.50V	38.70V	38.90V	39.10V	39.30V

NMOT(Nominal module operating temperature) , Irradiance of 800W/m, AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electerical Characteristics with 21% rear side power gain	RS8-580MBG-E1	RS8-585MBG-E1	RS8-590MBG-E1	RS8-595MBG-E1	RS8-600MBG-E1
Maximum Power (Pmax)	702W	708W	714W	720W	726W
Maximum Power Current (Imp)	20.76A	20.82A	20.88A	20.93A	20.98A
Maximum Power Voltage (Vmp)	33.80V	34.00V	34.20V	34.40V	34.60V
Short Circuit Current (Isc)	21.95A	22.05A	22.14A	22.22A	22.29A
Open Circuit Voltage (Voc)	41.91V	41.12V	41.30V	41.50V	41.70V

Mechanical Characteristics	
Cell Type	MonoP-Type,210x210(±1)mm,120(6x20)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated, With Bypass Diodes
Dimension	2172×1303×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	35.3kg
Installation Hole Location	See Drawing Above

Characteristics	
Temperature Coefficient of Voc	-0.27%/℃
Temperature Coefficient of Isc	+0.04%/℃
Temperature Coefficient of Pmax	-0.35%/℃
Nominal Operating Cell Temperature (NOCT)	45℃±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	18
Pieces per Container	558

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-T8-039-A