

ReneSola

125 Series Monocrystalline Solar Module

190W, 195W, 200W



High Module Conversion Efficiencies



Easy Installation and Handling



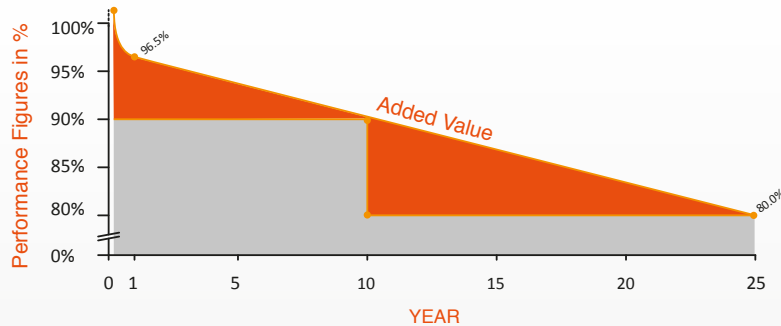
Mechanical Load Capability of up to 5400 Pa



Conforms with IEC 61215:2005,
IEC 61730: 2004, UL 1703 PV Standards



ISO9001, OHSAS18001, ISO14001 Certified



10-year
material & workmanship

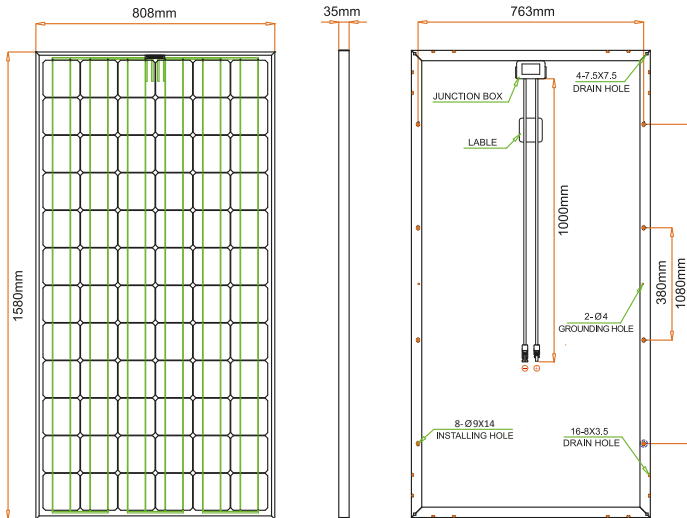
25-year
linear power output



APPROVED PRODUCT

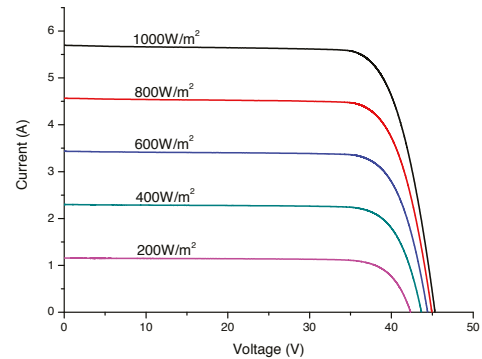


Dimensions



Drawing Only for Reference

I-V Curves



Varied Irradiation Efficiencies

Irradiance	200W/m ²	400W/m ²	600W/m ²	800W/m ²	1000W/m ²
Efficiency	15.4%	15.8%	15.8%	15.8%	15.7%

Electrical Characteristics STC

	JC190S-24/Db	JC195S-24/Db	JC200S-24/Db
Maximum Power (Pmax)	190 W	195 W	200 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	14.9%	15.3%	15.7%
Maximum Power Current (Imp)	5.19 A	5.32 A	5.41 A
Maximum Power Voltage (Vmp)	36.6 V	36.7 V	37.1 V
Short Circuit Current (Isc)	5.49 A	5.61 A	5.70 A
Open Circuit Voltage (Voc)	44.9 V	45.0 V	45.3 V

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

Electrical Characteristics NOCT

	JC190S-24/Db	JC195S-24/Db	JC200S-24/Db
Maximum Power (Pmax)	140 W	144 W	147 W
Maximum Power Current (Imp)	4.13 A	4.22 A	4.27 A
Maximum Power Voltage (Vmp)	34.0 V	34.2 V	34.5 V
Short Circuit Current (Isc)	4.42 A	4.52 A	4.60 A
Open Circuit Voltage (Voc)	42.1 V	42.3 V	42.4 V

Values at Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

Mechanical Characteristics

Cell Type	125 x125 mm Monocrystalline, 72 (6x12) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65/IP67 rated, with bypass diodes
Dimension	*1580 x 808 x 35 mm
Output Cable	4 mm ² (EU)/12 AWG (US), 1000 mm
Weight	16 Kg
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Isc	0.03%/°C
Temperature Coefficient of Pmax	-0.43%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Packing Information

Container	20' GP	40' GP	40' HQ
Pallets per Container	12	28	28
Pieces per Container	372	868	952

Maximum Ratings

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	15A (EU) / 10A (US)

Rev No.: JC/TDS/2012.06 *Contact ReneSola for tolerance specification
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