ReneSola

125 Series Monocrystalline
Solar Module

190W, 195W, 200W

- **High Module Conversion Efficiency**
- **Easy Installation and Handling for Various Applications**
- **Withstanding Mechanical Load up to 5400 Pa**
- **Conform with PV Standards: IEC 61215:2005, IEC 61730:2004, UL 1703**
- **ISO9001, OHSAS18001, ISO14001**



Guarantee

We provide a 10 years material and workmanship guarantee for our modules. In addition, a 90%-power-output guarantee for 10 years and a 80%-power-output guarantee for 25 years of the modules life are provided.

10-year material & workmanship

10-year 90% power output

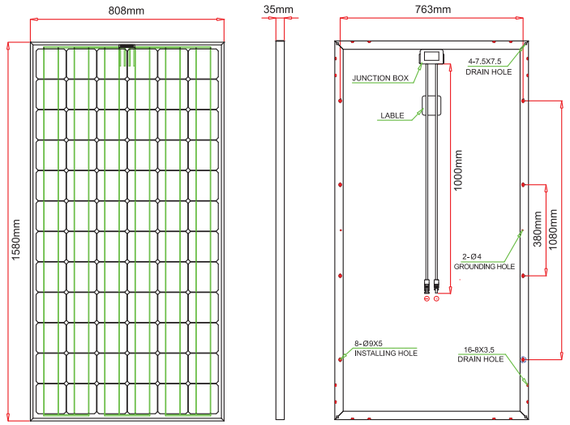
25-year 80% power output

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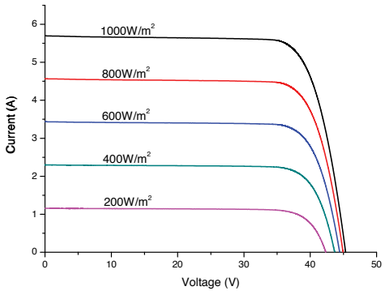
190W, 195W, 200W

Dimension



Drawing Only for Reference

I-V Curves



Efficiency at Varied Irradiation

Irradiance	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
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 rated, with bypass diodes
Dimension	*1580 x 808 x 35 mm
Cable Length	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 to + 85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	15A (EU) / 10A (US)

Rev No: JC/TDS/2012.04 *Contact Renesola for tolerance specification

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