

ReneSola

125 Series Monocrystalline Solar Module

190W, 195W, 200W, 205W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Mechanical Load Capability of up to 5400 Pa



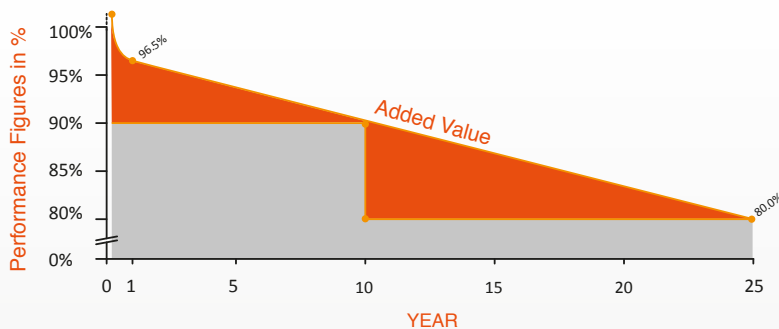
Conforms with IEC 61215:2005,
IEC 61730: 2004, UL 1703 PV Standards



ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C



10-year
material & workmanship

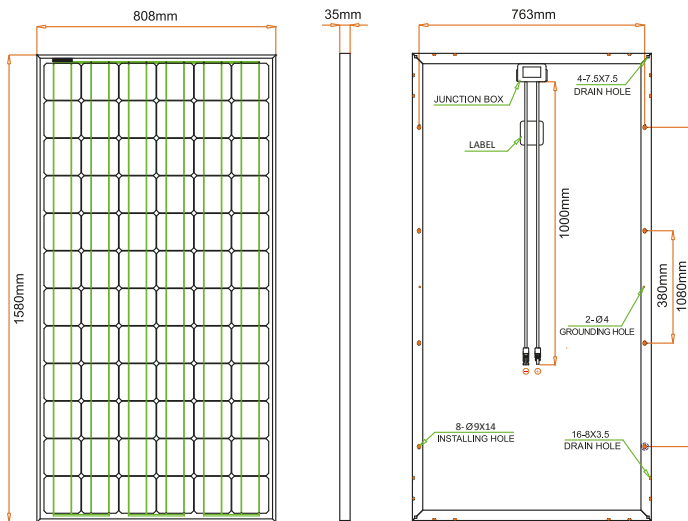
25-year
linear power output



APPROVED PRODUCT

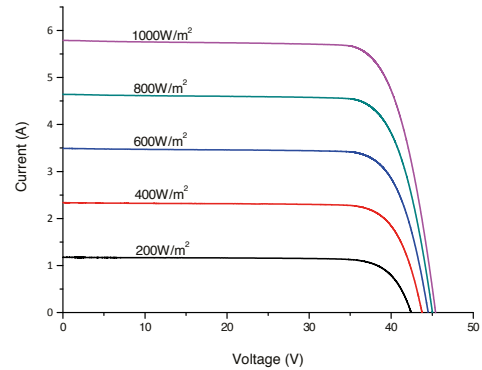


Dimensions



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 | 15.7% | 16.1% | 16.2% | 16.2% | 16.1% |

Electrical Characteristics STC

| | JC190S-24/Db | JC195S-24/Db | JC200S-24/Db | JC205S-24/Db |
|-----------------------------|--------------|--------------|--------------|--------------|
| Maximum Power (Pmax) | 190 W | 195 W | 200 W | 205 W |
| Power Tolerance | 0 ~ +5W | 0 ~ +5W | 0 ~ +5W | 0 ~ +5W |
| Module Efficiency | 14.9% | 15.3% | 15.7% | 16.1% |
| Maximum Power Current (Imp) | 5.19 A | 5.32 A | 5.41 A | 5.51 A |
| Maximum Power Voltage (Vmp) | 36.6 V | 36.7 V | 37.1 V | 37.2 V |
| Short Circuit Current (Isc) | 5.49 A | 5.61 A | 5.70 A | 5.79 A |
| Open Circuit Voltage (Voc) | 44.9 V | 45.0 V | 45.3 V | 45.4 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 | JC205S-24/Db |
|-----------------------------|--------------|--------------|--------------|--------------|
| Maximum Power (Pmax) | 140 W | 144 W | 147 W | 151 W |
| Maximum Power Current (Imp) | 4.13 A | 4.22 A | 4.27 A | 4.36 A |
| Maximum Power Voltage (Vmp) | 34.0 V | 34.2 V | 34.5 V | 34.6 V |
| Short Circuit Current (Isc) | 4.42 A | 4.52 A | 4.60 A | 4.66 A |
| Open Circuit Voltage (Voc) | 42.1 V | 42.3 V | 42.4 V | 42.6 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 |

Rev No.: JC/TDS/2013.02 *Contact ReneSola for tolerance specification
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Maximum Ratings

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