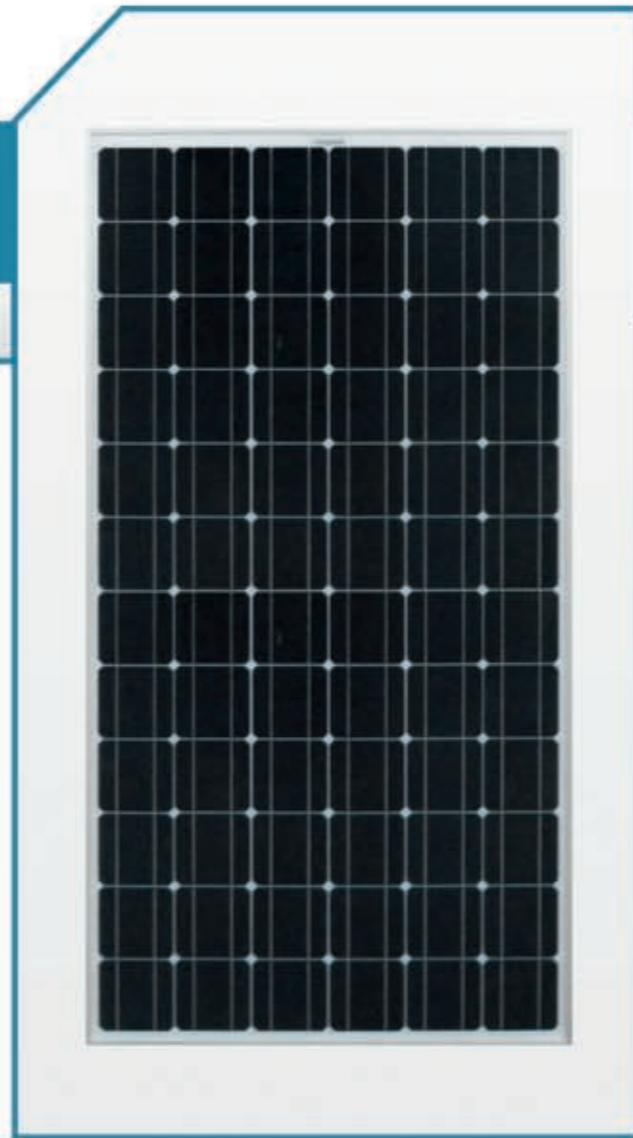


125 Series Monocrystalline Solar Module

185W, 190W



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



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

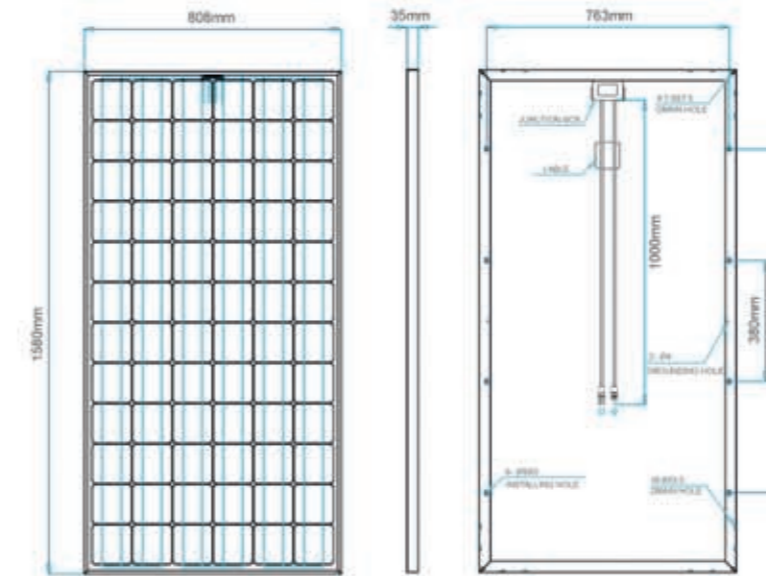
25-year
80% power output



125 Series Monocrystalline Solar Module

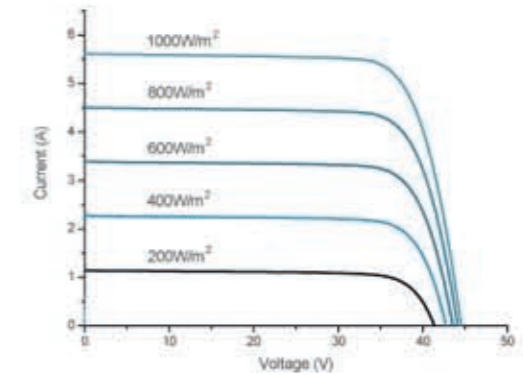
185W, 190W

Dimension



Drawing Only for Reference

I-V Curves



Efficiency at Varied Irradiation

Irradiance	200W/m ²	400W/m ²	600W/m ²	800W/m ²	1000W/m ²
Efficiency	14.25%	14.82%	14.96%	14.97%	14.90%

Electrical Characteristics

	JC185S-24/Db	JC190S-24/Db
Maximum Power (Pmax)	185 W	190 W
Power Tolerance	±3%	±3%
Module Efficiency	14.52%	14.90%
Maximum Power Current (Imp)	5.18 A	5.27 A
Maximum Power Voltage (Vmp)	35.8 V	36.1 V
Short Circuit Current (Isc)	5.52 A	5.61 A
Open Circuit Voltage (Voc)	44.3 V	44.5 V

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

Temperature Coefficient

Temperature Coefficient of Voc	-0.3109%/°C
Temperature Coefficient of Isc	0.0348%/°C
Temperature Coefficient of Pmax	-0.4310%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Mechanical Characteristics

Cell Type	125 x 125 mm Monocrystalline, 72 (6 x 12) 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

Maximum Ratings

Operating Temperature	-40 °C to +85 °C
Maximum System Voltage	1000 V DC
Maximum Series Fuse Rating	15 A

Packing Information

Container	20'GP	40'GP	40'HQ
Pieces per Pallet	30	30	33
Pallets per Container	12	28	28
Pieces per Container	360	840	924