

125 Series Monocrystalline Solar Module

190W, 195W



Efficiency

High Module Conversion Efficiency



easy & quick

Easy Installation and Handling for Various Applications



-2400Pa -
-5400Pa -

Withstanding Mechanical Load up to 5400 Pa



IEC & UL

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



Certification

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



APPROVED PRODUCT

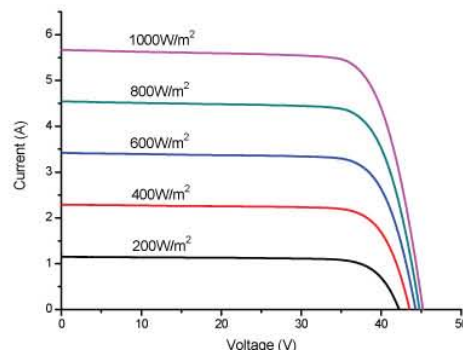


Dimension



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	14.9%	15.3%	15.4%	15.3%	15.3%

Electrical Characteristics

	JC190S-24/Db	JC195S-24/Db
Maximum Power (Pmax)	190 W	195 W
Power Tolerance	0~+5W	0~+5W
Module Efficiency	14.90%	15.30%
Maximum Power Current (Imp)	5.27 A	5.31 A
Maximum Power Voltage (Vmp)	36.1 V	36.7 V
Short Circuit Current (Isc)	5.61 A	5.67 A
Open Circuit Voltage (Voc)	44.5 V	45.2 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 VDC (EU) / 600 VDC (US)
Maximum Series Fuse Rating	15A(EU)/ 10A(US)

Packing Information

Container	20'GP	40'GP	40'HQ
Pieces per Pallet	31	31	34
Pallets per Container	12	28	28
Pieces per Container	372	868	952