

Electric Characteristics

Type	BEST-165D-24	BEST-170D-24	BEST-175D-24	BEST-180D-24
Max Power at STC*(Pmax) [W]	165	170	175	180
Max Power Tolerance [%]	± 3			
Max Power Voltage (Vmp) [V]	35.2	35.4	35.9	36.2
Max Power Current (Imp) [A]	4.68	4.76	4.87	4.98
Open Circuit Voltage (Voc) [V]	44.2	44.5	44.7	44.9
Short Circuit Current (Isc) [A]	5.40	5.42	5.43	5.46
Maximum System Voltage (VDC) [V]	1000			
Cell Efficiency η_c [%]	15.85	16.33	16.81	17.28
Module Efficiency η_m [%]	12.87	13.26	13.66	14.05
Solar Cell Typ	Monocrystalline Silicon Solar Cells 125 x 125 mm			
Number of Cells	72 (6 x 12)			
Temperature Coefficient of Pmax [% / °C]	-0.47			
Temperature Coefficient of Voc [% / °C]	-0.36			
Temperature Coefficient of Isc [% / °C]	0.065			
NOCT (Nominal Operation Cell Temperature) [°C]	45±2			
STC* (Standard Test Condition): Irradiance 1000W / m ² , Module Temperature 25 °C , Air Mass 1.5				

Mechanical Characteristics

Dimensions of Module A*B*C [mm]	1586*808*40
Weight [kg]	15.6
Type of Connector	MC4

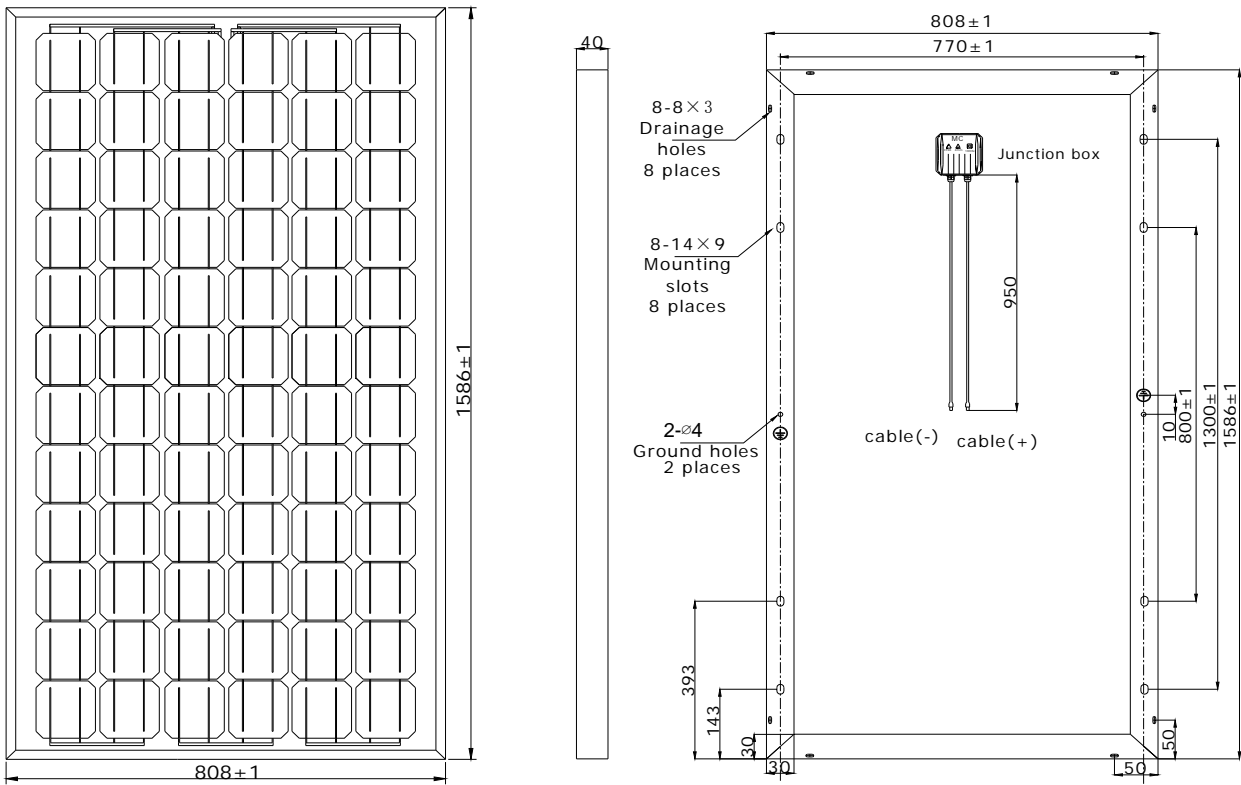
Packing Configuration

Packing Configuration	2 pcs./box
Quantity / Pallet	40 pcs./pallet or 46 pcs/pallet
Lording Capacity	560 pcs./40ft or 644 pcs./40ft(H)

Absolute Ratings

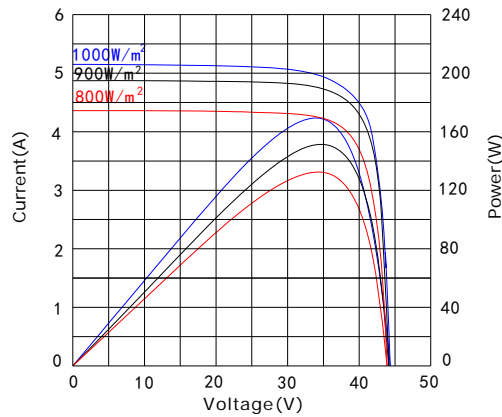
Maximum System Voltage (VDC) [V]	< 1000
Operating Temperature [°C]	-40~+85
Storage Temperature [°C]	-40~+85

Dimensions



IV Curve

Electrical Performance cell temperature: 25 °C



Warranty

Manufacturer

5 years

Power Output

90% for 12 years and 80% for 25 years

Certifications

IEC61215, IEC61730, UL1703, CE