

Electric Characteristics

Type	BEST-160P-24	BEST-165P-24	BEST-170P-24	BEST-175P-24	BEST-180P-24
Max Power at STC*(Pmax) [W]	160	165	170	175	180
Max Power Tolerance [%]	± 3				
Max Power Voltage (Vmp) [V]	35.1	35.4	35.9	36.1	36.4
Max Power Current (Imp) [A]	4.60	4.68	4.76	4.87	4.96
Open Circuit Voltage (Voc) [V]	43.2	43.6	44.0	44.3	44.6
Short Circuit Current (Isc) [A]	4.95	5.04	5.13	5.21	5.28
Maximum System Voltage (VDC) [V]	1000				
Cell Efficiency η_c [%]	14.66	15.12	15.58	16.04	16.49
Module Efficiency η_m [%]	12.48	12.88	13.27	13.66	14.05
Solar Cell Typ	Multicrystalline Silicon Solar Cells 125 x 125 mm				
Number of Cells	72 (6 x 12)				
Temperature Coefficient of Pmax [% / °C]	-0.45				
Temperature Coefficient of Voc [% / °C]	-(0.34 ± 0.01)				
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

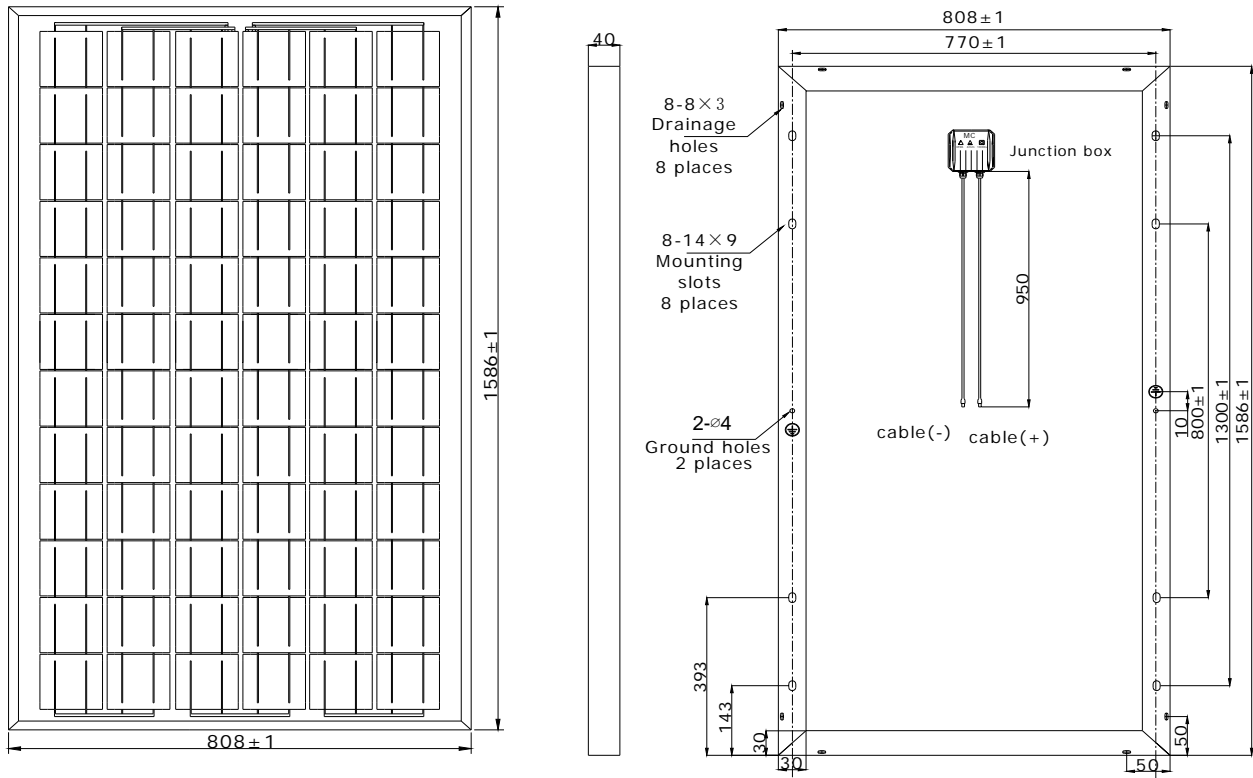
Packing Configuration

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

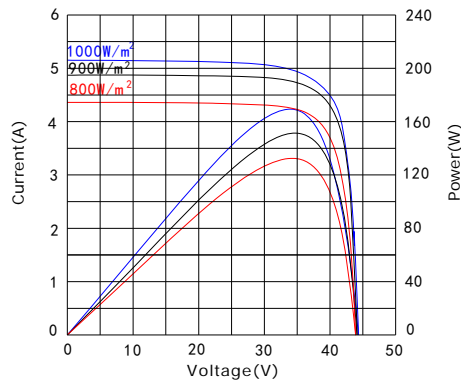
Maximum System Voltage (VDC) [V]	< 1000
Operating Temperature [°C]	-40~+85
Storage Temperature [°C]	-40~+85

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