

MONO

CSE SOLAR

Power of the Future

ZJM

205W/200W/195W/190W/185W



High module conversion efficiency through superior manufacturing technology



Excellent performance under low light conditions (cloudy days, mornings and evenings)



Guarantee positive power tolerance



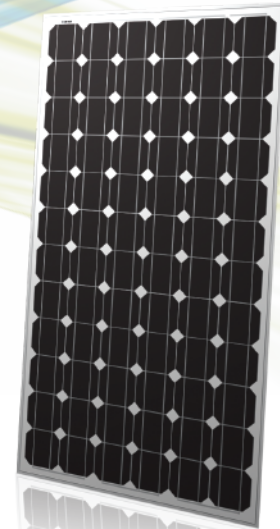
Module can bear snow loads up to 5400Pa and wind loads up to 3800Pa



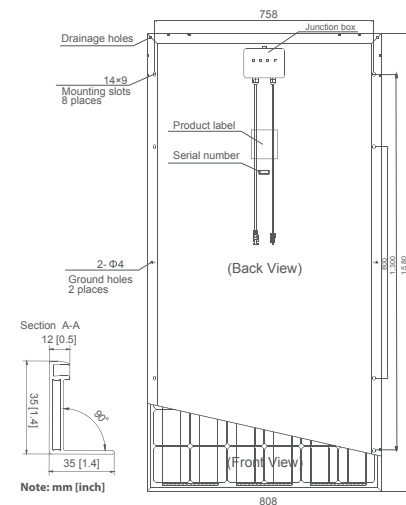
Manufacturing facility certified by ISO 9001:2008, ISO 14001:2004



24-hour response service

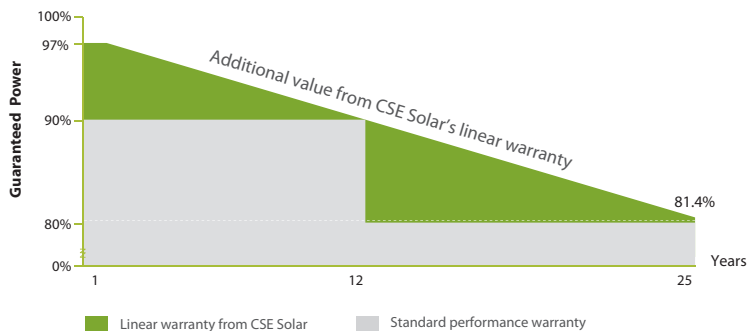


Dimensions of Module



Industry-leading Linear Warranty

12 year product warranty | 25 year linear power warranty



Electrical Characteristics	ZJM205W	ZJM200W	ZJM195W	ZJM190W	ZJM185W
Peak Power Watts- P_{MAX} (Wp)	205	200	195	190	185
Power Output Tolerance- P_{MAX} (%)	+3	+3	+3	+3	+3
Module Efficiency- η_m (%)	16.1	15.7	15.3	14.9	14.5
Maximum Power Voltage- V_{mp} (V)	36.7	36.6	36.4	36.2	36.0
Maximum Power Current- I_{mp} (A)	5.59	5.47	5.36	5.25	5.14
Open Circuit Voltage- V_{oc} (V)	45.7	45.5	45.3	45.1	44.8
Short Circuit Current- I_{sc} (A)	5.91	5.81	5.72	5.62	5.54
Operating Temperature Range (°C)	-40~+85				
Maximum System Voltage (V)	1000V DC (IEC) / 600V DC (UL)				
Maximum Series Fuse Rating (A)	15				

Values at Standard Test Conditions (STC):1000W/m² Irradiance, AM 1.5, Solar spectrum and 25°C module temperature.

NOCT	ZJM205W	ZJM200W	ZJM195W	ZJM190W	ZJM185W
Peak Power Watts- P_{MAX} (Wp)	151	146	141	137	133
Maximum Power Voltage- V_{mp} (V)	33.3	33.1	32.9	32.7	32.5
Maximum Power Current- I_{mp} (A)	4.54	4.41	4.30	4.19	4.08
Open Circuit Voltage- V_{oc} (V)	42.2	42.0	41.8	41.6	41.3
Short Circuit Current- I_{sc} (A)	4.91	4.79	4.70	4.60	4.52

NOCT: open circuit module operation temperature at 800W/m² irradiance, 20°C ambient temperature, 1m/s wind speed.

Mechanical Data

Solar Cells	Monocrystalline 125*125 mm (5 inches)
Cells Orientation	72 cells (6*12)
Module Dimension	1580*808*35 mm (62.21*31.81*1.38 inches)
Weight	15 kg (33.07 lbs)
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP 67 rated
Cable / Connector	Solar cable: 4.0mm ² (0.006 inches ²), 900mm (35.4 inches), MC4

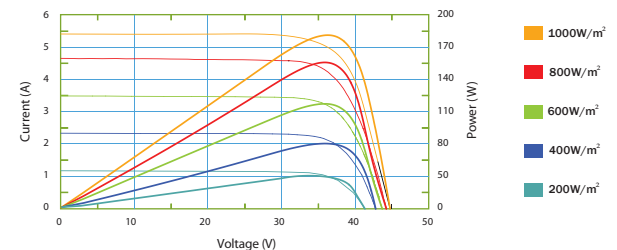
Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	(45±2) °C
Temperature Coefficient of P_{MAX}	(-0.47±0.05) %/°C
Temperature Coefficient of V_{oc}	(-0.34) %/°C
Temperature Coefficient of I_{sc}	(0.45±0.01) %/°C

Packing Configuration

Container	20' GP	40' GP	40' HQ
Pieces per Pallet	58	58	70
Pallets per Container	6	14	14
Pieces per Container	348	812	980

Current-Voltage & Power-Voltage Curve



Caution: Read the instruction manual entirely before using the product. Specifications are subject to change without further notice.