

MONO

ZJM

305W/300W/295W/290W/285W

CSE SOLAR
Power of the Future



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



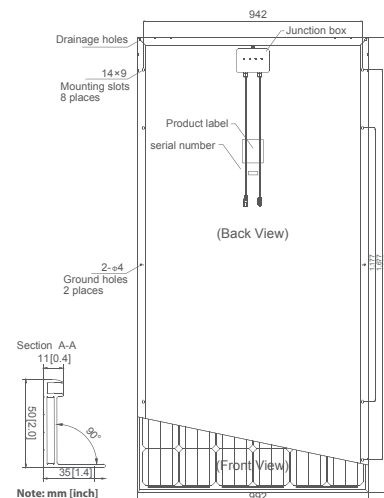
Manufacturing facility certified by ISO 9001:2008, ISO 14001:2004



24-hour response service

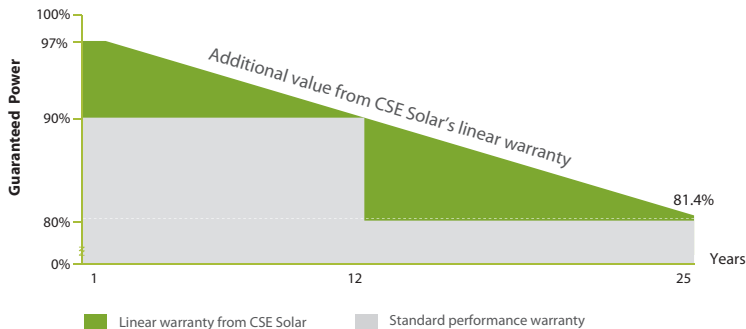


Dimensions of Module



Industry-leading Linear Warranty

12 year product warranty | 25 year linear power warranty



Electrical Characteristics	ZJM305W	ZJM300W	ZJM295W	ZJM290W	ZJM285W
Peak Power Watts- P_{MAX} (Wp)	305	300	295	290	285
Power Output Tolerance- P_{MAX} (%)	+3	+3	+3	+3	+3
Module Efficiency- η_m (%)	15.7	15.5	15.2	14.9	14.7
Maximum Power Voltage- V_{mp} (V)	36.9	36.7	36.4	36.1	35.7
Maximum Power Current- I_{mp} (A)	8.27	8.17	8.11	8.04	7.99
Open Circuit Voltage- V_{oc} (V)	45.4	45.3	45.2	45.1	45.1
Short Circuit Current- I_{sc} (A)	8.79	8.72	8.63	8.53	8.41
Operating Temperature Range (°C)	-40~+85				
Maximum System Voltage (V)	1000V DC (IEC) / 600V DC (UL)				
Maximum Series Fuse Rating (A)	20				

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

NOCT	ZJM305W	ZJM300W	ZJM295W	ZJM290W	ZJM285W
Peak Power Watts- P_{MAX} (Wp)	219	215	211	206	202
Maximum Power Voltage- V_{mp} (V)	33.4	33.1	32.8	32.5	32.1
Maximum Power Current- I_{mp} (A)	6.56	6.49	6.43	6.36	6.31
Open Circuit Voltage- V_{oc} (V)	42.6	42.5	42.4	42.3	42.3
Short Circuit Current- I_{sc} (A)	7.30	7.25	7.13	7.02	6.90

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

Mechanical Data

Solar Cells	Monocrystalline 156*156 mm (6 inches)
Cells Orientation	72 cells (6*12)
Module Dimension	1957*992*50 mm (77.05*39.06*1.97 inches)
Weight	23kg (50.71 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	36	36	44
Pallets per Container	5	11	11
Pieces per Container	180	396	484

Current-Voltage & Power-Voltage Curve

