prefersolar

PS-250M SPEC SHEET

Features

High conversion efficiency based on leading innovative photovoltaic technologies
High reliability with guaranteed ±3% power output tolerance, ensuring return on investment
Withstands high wind-pressure (2400Pa) and snow load (5400Pa), and extreme temperature variations
Rigorous quality control meeting the highest international standards

Warranty

25-year limited power output warranty; 5-year limited product warranty on materials and workmanship.
⩾90% power output assurance for 10 years and ⩾80% power output assurance for 25 years.

Certifications

UL1703, CE and ISO 9001:2008 (Quality Management System)

Recommended Applications

On-grid/off-grid PV solar power stations
Industrial/Commercial/Residential PV solar roof-top systems
Industrial/Commercial ground mount systems

Mechanical Specifications

Characteristic	Details
Cell Size	156mm x 156mm (6.14" x 6.14")
Module Dimension (L x W x T)	1650mm x 992mm x 46mm (64.96'' x 39.05'' x 1.81'')
No. of Cells	6 x 10 = 60
Weight	19.5 kg (43 lbs)
Cable Length	900mm (35.4") for positive (+) and negative (-)
Type of Connector	Tyco Electronics 1394462-4 (Female), 6-1394461-2(Male)
Junction Box	IP65
No. of Holes in Frame	8 draining holes, 4 installation holes, 2 ground line holes

Electrical Specifications

(Standard Test Conditions = 25 ºC, 1000W/m^2 irradiance and AM=1.5)

Model	PS-250M
Max System Voltage	600 V
Max Peak Power Pmax	250 W (±3%)
CEC Listed PTC Power	222.2W
Maximum Power Point Voltage Vmpp	30.7 V
Maximum Power Point Current Impp	8.14A
Open Circuit Voltage Voc	36.8 V
Short Circuit Current Isc	8.99A
Module Efficiency (%)	15.27%
Temperature Coefficient of Voc	-0.141 V / ˚C (-0.32% / ˚C)
Temperature Coefficient of Isc	2.09x10^{-3} A / ˚C (0.04% / ˚C)
Temperature Coefficient of Pmax	-0.804 W / ˚C (-0.46% / ˚C)

[redacted]