

TECHNICAL SPECIFICATIONS

72 CELL SOLAR PV MODULE - MONO CRYSTALLINE



HIGH EFFICIENCY



0 TO +5 WATTS
POSITIVE TOLERANCE

MECHANICAL CHARACTERISTICS

Cell Type	Mono-crystalline 156.75 x 156.75mm (6.17 inches)	
No of Cells	72 (6x12)	
Dimensions	1976x991x35mm (77.795x39.01x1.37inch)	
Weight	22.5 kg (51.80 lbs.)	
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass	
Frame	Anodized Aluminium Alloy	
Junction Box	IP67 Rated	
Output Cables	4.0Sqmm, Length: 1200mm	
Connector	MC4 Compatible	
Maximum Snow Load	550Kg/m ²	
Maximum wind Load	200Km/h	
Hailstone Impact Test	80Km/h for 25mm ice ball	

PACKAGING CONFIGURATION

Container	20' GP	40' GP
Pieces / Pallet	25	25
Pallets / Container	10	22
Pieces / Container	250	550

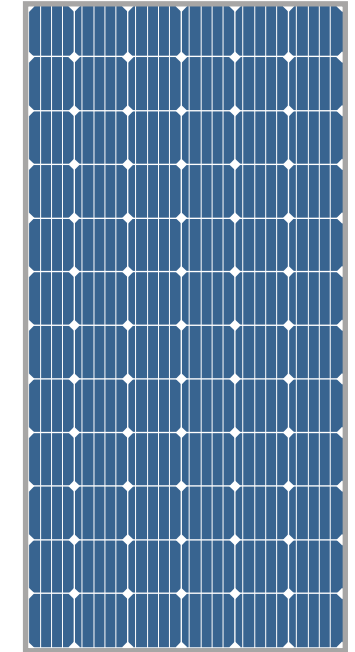
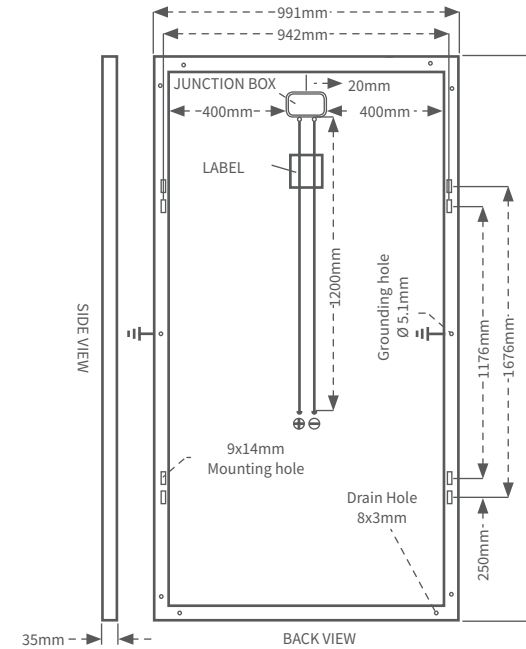
72 CELL MONO CRYSTALLINE SOLAR PV MODULES - ELECTRICAL CHARACTERISTICS

Model No	PSS-24340	PSS-24345	PSS-24350	PSS-24355
Wattage Wp	340	345	350	355
Voltage at Max Power, V _{mp}	37.45	37.51	38.34	38.45
Open circuit Voltage, V _{oc}	46.20	46.30	46.80	46.90
Current at Max Power, I _{mp}	9.08	9.20	9.13	9.25
Short Circuit Current, I _{sc}	9.50	9.70	9.77	9.80
Fill factor	77.10	76.8	76.55	77.38
Module Efficiency	17.40	17.60	17.95	18.13
Operating Temperature (°C)	-40°C ~ +85°C	Temperature Co-efficients of P _{max}		-0.41%/°C
Maximum System Voltage	1000/1500VDC (IEC)	Temperature Co-efficients of V _{max}		-0.33%/°C
Maximum series fuse rating	20A	Temperature Co-efficients of I _{sc}		+0.03%/°C
Power Tolerance	(0, +5)	Nominal operating cell temperature (NOCT)		45±2°C

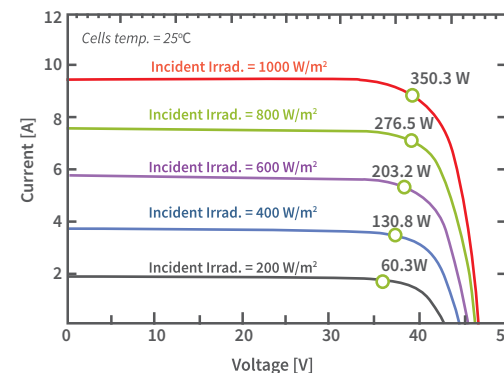
STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM = 1.5

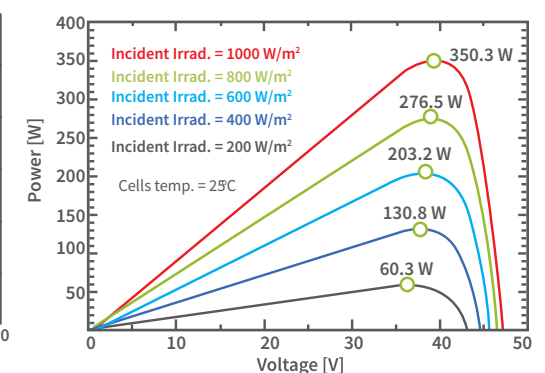


PV Module : PREMIER PSS-24350



Current - Voltage curves

PV module : PREMIER PSS-24350



Power - Voltage curves