



PV high-performance modules

Solar modules: PVP27030 - PVP29030

TECHNICAL SPECIFICATIONS

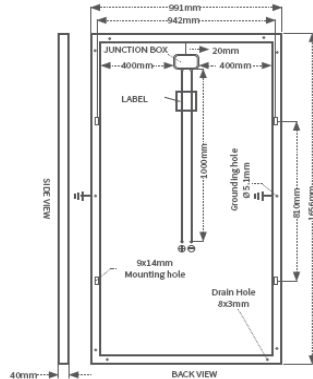
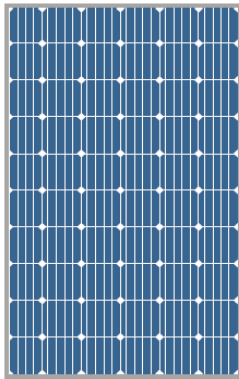
60 CELL SOLAR PV MODULE - MONO CRYSTALLINE



HIGH EFFICIENCY



0 TO +5 POSITIVE TOLERANCE

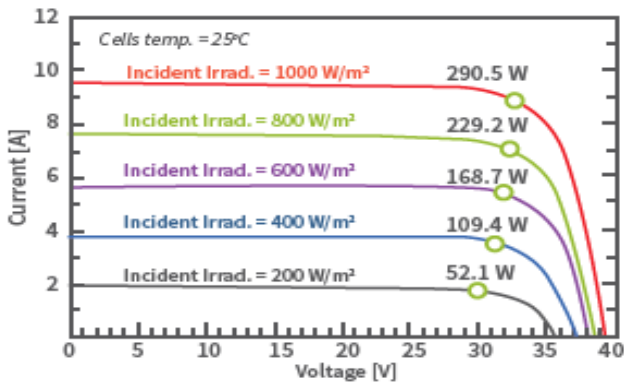


MECHANICAL CHARACTERISTICS

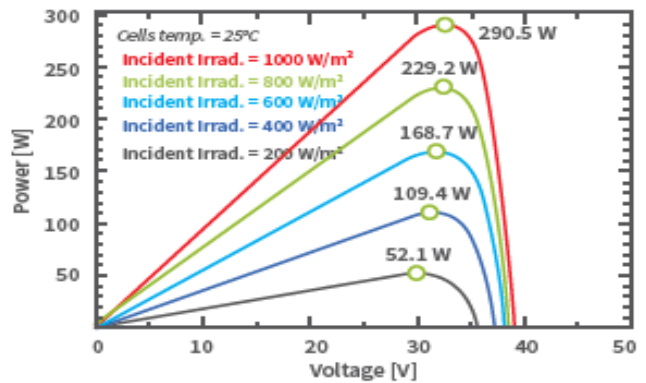
Cell Type	Mono-crystalline 156.75 x 156.75mm (6.17 inches)
No of Cells	60 (6x10)
Dimensions	1656x991x40mm (65.19x39.01x1.57 inch)
Weight	19.0 kg (41.88 lbs.)
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	4.0Sqm, Length: 1000mm
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	28
Pallets / Container	12	25
Pieces / Container	300	700



Current - Voltage curves



Power - Voltage curves

Wattage Wp	270	275	280	285	290
Voltage at Max Power, Vmax	30.68	30.80	30.97	31.15	31.33
Open circuit Voltage, Voc	38.39	38.52	38.65	38.78	38.91
Current at Max Power, Imax	8.80	8.93	9.04	9.15	9.26
Short Circuit Current, Isc	9.29	9.38	9.49	9.58	9.68
Fill factor	75.71	76.11	76.34	76.71	76.99
Module Efficiency	16.46	16.77	17.07	17.38	17.68
Operating Temperature (°C)	-40°C ~ +85°C		Temperature Co-efficients of Pmax		-0.41%/°C
Maximum System Voltage	1000VDC (IEC)		Temperature Co-efficients of Vmax		-0.33%/°C
Maximum series fuse rating	15A		Temperature Co-efficients of Isc		+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