

PS-P60

POLY-CRYSTALLINE MODULE

250-275W



FEATURES

-  Positive power tolerance up to 3% extra output
-  Excellent low light performance
-  Salt mist and ammonia resistant to endure coastal and agricultural environments (according to IEC 61701 and IEC 62716)
-  PID resistant (tested in accordance to IEC 62804-1)
-  100% EL (Electroluminescence) in-line inspection
-  Excellent high mechanical loads, certified to withstand high wind load (2400 pa) and snow load (5400 pa)

PHILADELPHIA SOLAR PV MODULES

Philadelphia Solar's poly-crystalline modules with maximum power of (275W) are produced using the state-of-the-art (Automated) robotic production lines.

These modules are suitable to be used for most electrical power applications and have excellent durability to prevailing weather conditions.

BENEFITS

- Outstanding technical support.
- After sales-service
- 10 years warranty on material and workmanship .
- 25 years linear performance warranty.
- Marketing support to official distributors.
- Customized mounting solutions.

APPLICATIONS



On-grid residential roof-tops



On-grid commercial/ industrial roof-tops



Solar Power plants



Off-Grid Systems

CERTIFICATES



LINEAR PERFORMANCE WARRANTY



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250-275W

ELECTRICAL CHARACTERISTICS

Characteristics (STC)	250W	255W	260W	265W	270W	275W
Open Circuit Voltage - Voc (V)	37.51	37.65	37.86	38.00	38.10	38.31
Short Circuit Current - Isc (A)	8.70	8.79	8.83	8.93	9.01	9.04
Maximum Power Voltage - Vmpp (V)	30.42	30.70	31.15	31.41	31.83	32.13
Maximum Power Current - Impp (A)	8.22	8.31	8.35	8.44	8.48	8.56
Maximum Power - Pmax (W)	250	255	260	265	270	275
Module Efficiency - η ' (%)	15.24	15.54	15.85	16.15	16.46	16.76

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C). Electrical data may vary $\pm 5\%$

MATERIAL CHARACTERISTICS

Characteristics	Value
Cells per Module	60
Cell Type	Grade A - Multi-Crystalline Silicon, 156x156mm
Front Surface	Anti-Reflective Coated Tempered 3.2mm Glass
Encapsulant	PID Free EVA
Back Cover	Backsheet
Frame	Anodized Aluminum
Junction Box	IP67, 3 Bypass Diodes
Connector	Solar Cables with MC4 Interconnection
Fire Classification	C

THERMAL CHARACTERISTICS

Characteristics	Value
Voltage Temperature Coefficient (%/°C)	- 0.341
Current Temperature Coefficient (%/°C)	+ 0.05
Power Temperature Coefficient (%/°C)	- 0.424
NOCT (°C)	46

Temperature Coefficients may vary $\pm 5\%$

PACKAGING

Physical Characteristics	Value
Module Dimensions (mm)	1655 x 990 x 40
Module Weight (kg)	18
Pallet Dimensions (mm)	1700 x 1140 x 1130
Modules per Pallet	25
Container Capacity	Value
20 Feet Container	300 Modules
40 Feet High-Cube Container	700 Modules

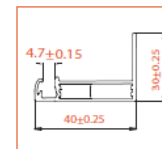
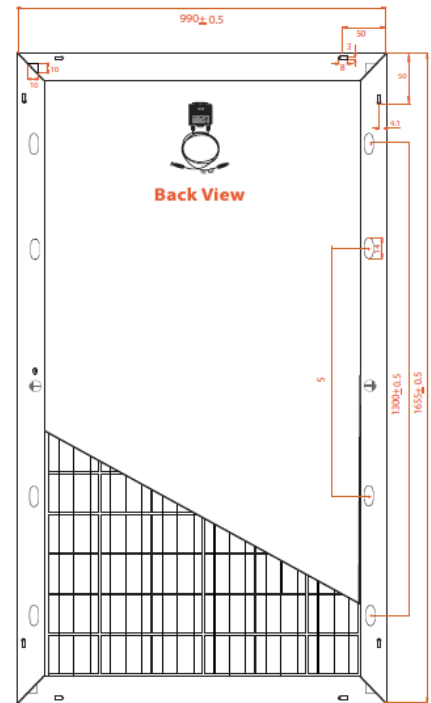
OPERATING CONDITIONS

Maximum System Voltage - Vmax (V)	1000
Maximum Series Fuse (A)	15
Operating Temperature Range (°C)	IEC: -40 to +85 / UL: -40 to +90

WARRANTY

Product	10 Years
Power Output	12 Years; 90% of Power Output 25 Years; 80% of Power Output

PS-P60 Dimensions



● DIMENSIONS ARE IN MM.

IV - CURVE

