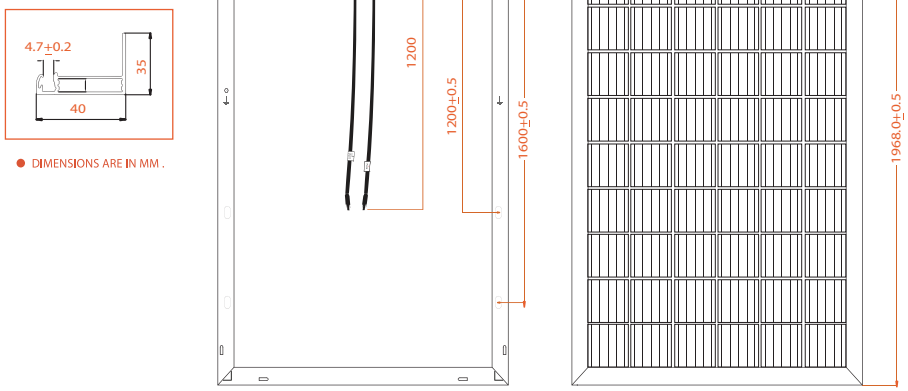
PS-P72 (325-340 W) AQABA

POLY-CRYSTALLINE MODULE

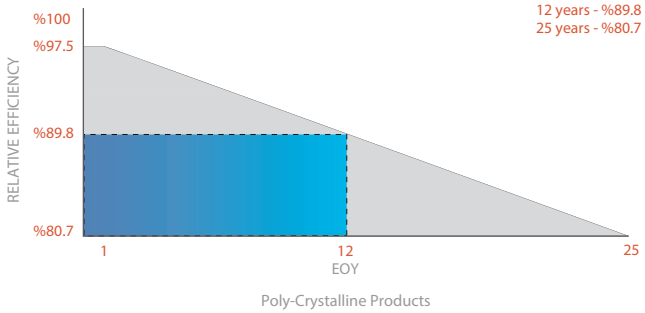
Philadelphia Solar
Delivering Clean Energy Solutions



PS-P72 Dimensions

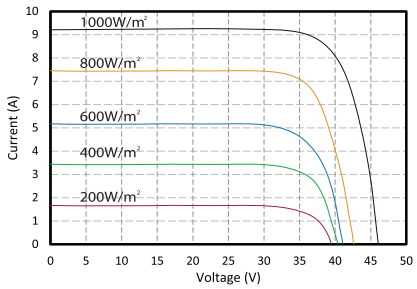
Philadelphia Solars' Poly-Crystalline modules with power up to 340 Wp are produced using the state-of-the-art (automated) robotic production lines. These modules are suitable to be used for most electrical power applications and have excellent durability to prevailing weather conditions.

LINER PERFORMANCE WARRANTY



Poly-Crystalline Products

IV - CURVE P72 - 325 W



Certificates

- Bankability Report DNV GL

TÜVRheinland CERTIFIED IEC 61215 IEC 61730 Regular Production Surveillance www.tuv.com ID 1111209111
TÜVRheinland CERTIFIED Salt Mist Resistance Regular Production Surveillance www.tuv.com ID 1111209532
TÜVRheinland CERTIFIED Ammonia Resistance Regular Production Surveillance www.tuv.com ID 1111209531
TÜVRheinland CERTIFIED PID Resistance Regular Production Surveillance www.tuv.com ID 1111209533
TÜVRheinland c US
SOLARIF CERTIFIED
CE
TÜV AUSTRIA HELLAS EN ISO 9001:2015
TÜV AUSTRIA HELLAS EN ISO 14001:2015
TÜV AUSTRIA HELLAS EN ISO 18001:2007

ELECTRICAL CHARACTERISTICS	325W	330W	335W	340W
Characteristics (STC)	STC	STC	STC	STC
Open Circuit Voltage - Voc (V)	45.7	45.9	46.0	46.20
Short Circuit Current - Isc (A)	9.19	9.27	9.29	9.38
Maximum Power Voltage - Vmpp (V)	37.2	37.4	37.52	37.72
Maximum Power Current - Impp (A)	8.74	8.82	8.94	9.03
Maximum Power - Pmax (W)	325	330	335	340
Module Efficiency - η´ (%)	16.7	16.9	17.2	17.5

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature °25C).

MATERIAL CHARACTERISTICS		PACKAGING	
Characteristics	Value	Physical Characteristics	Value
Cells per Module	72	Module Dimensions (mm)	1968 x 990 x 40
Cell Type	Grade A - Multi-Crystalline Silicon, 156.75x156.75mm	Module Weight (kg)	22
Front Surface	Anti-Reflective Coated Tempered 3.2mm Glass	Pallet Dimensions W.D.H (mm)	2010 x 1140 x 1130
Encapsulant	PID Free EVA	Modules per Pallet	27
Back Cover	Backsheet	Container Capacity	Value
Frame	Anodized Aluminum	20 Feet Container	270 Modules
Junction Box	IP68, 3 Bypass Diodes	40 Feet High-Cube Container	594 Modules
Cable and Connector	1.2m Solar Cables with MC4 interconnection		
Fire Classification	Spread of flame : A / Burning brand : C		

THERMAL CHARACTERISTICS		OPERATING CONDITIONS	
Characteristics	Value		
Voltage Temperature Coefficient (%/°C)	- 0.313	Maximum Sytem Voltage - Vmax (V)	1000/1500
Current Temperature Coefficient (%/°C)	+ 0.038	Maximum Series Fuse (A)	15
Power Temperature Coefficient (%/°C)	- 0.41	Operating Temperature Range (°C)	IEC: - 40 to + 85 UL: - 40 to + 90
NOCT (°C)	45 ± 2		

WARRANTY	
Product	12 Years
Power Output	12 Years; 89.8 % of Power Output 25 Years; 80.7 % of Power Output

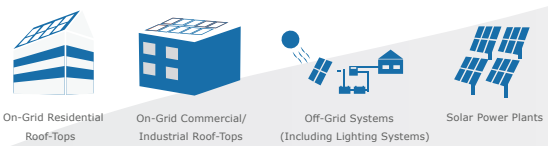
FEATURE

- Positive power tolerance up to %3 extra output.
- Excellent low light performance.
- Salt mist and ammonia resistant to endure coastal and agricultural environments.
- Excellent high mechanical loads, certified to withstand high wind load (2400 pa) and snow load (5400 pa).
- In-line and post EL (Electroluminescence) machines.
- PID resistant.

BENEFITS

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

APPLICATIONS



- Power measuring tolerance: ± %3, other measurements tolerances: ± %5
- Datasheet is subjected to changes without prior notice, always obtain the most recent version of the datasheet.
- Caution: For professional use only, the installation and handling of PV modules and cleaning modules require professional skills and should only be performed by qualified professionals, please read the Installation and Operation Manual before using the modules, also Cleaning Guidelines.