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EnergyPal

Solar Panel Guide Specification Data Sheet

SpolarPV Technology Co., Ltd.

SPHP6-72L

SP340HP6-144L

Also available on the web at
EnergyPal.com/spolarpv-technology-co-ltd-solar-panels/sp340hp6-144l

SPHP6-144L

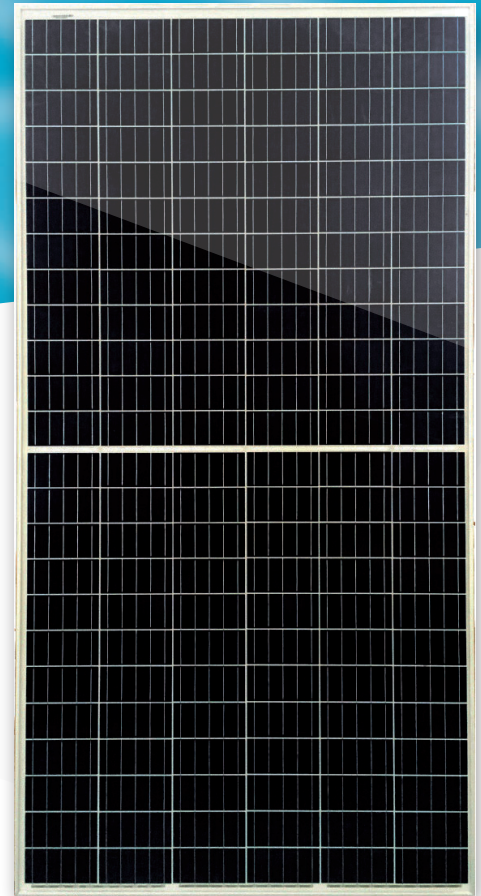
340-365 Watt

POLY CRYSTALLINE MODULE



SpolarPV
Superior, Premium

- SP340HP6-144L
- SP350HP6-144L
- SP360HP6-144L
- SP345HP6-144L
- SP355HP6-144L
- SP365HP6-144L



18.16%

Module efficiency



Product warranty

365 W

Highest power output



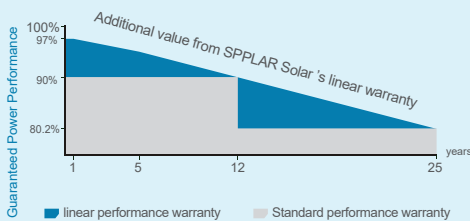
Linear power warranty

0 ~ +5W

Positive power tolerance

Key Features

Linear Performance Warranty



ISO9001:2016 ISO14001:2016
OHSAS18001:2011 certified factory.
IEC61215 IEC61730 certified products.

www.spolarpv.com



High Efficiency

Higher module conversion efficiency benefit from Passivated Emitter Rear Contact (PERC) technology.



PID Resistant

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light Performance

Advanced glass and cell surface texture design ensure excellent performance in low light environment.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability against extreme environmental conditions

High salt mist and ammonia resistance.



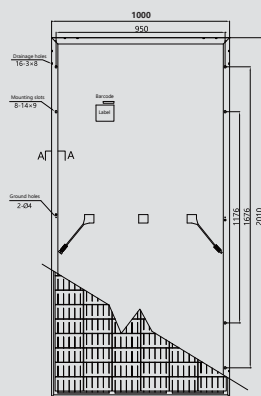
Electrical Characteristics at Standard Test Conditions (STC)

Module Type	SP340HP6-144L	SP345HP6-144L	SP350HP6-144L	SP355HP6-144L	SP360HP6-144L	SP365HP6-144L
Maximum Power -Pmax (W)	340	345	350	355	360	365
Maximum Power Voltage - Vmp (V)	37.5	37.7	37.9	38.1	38.3	38.5
Maximum Power Current - Imp (A)	9.06	9.15	9.23	9.32	9.40	9.48
Open-circuit Voltage - Voc (V)	46.2	46.4	46.7	47.0	47.3	47.6
Short-circuit Current - Isc (A)	9.53	9.62	9.71	9.81	9.88	9.96
Module Efficiency STC (%)	16.92%	17.16%	17.41%	17.66%	17.91%	18.16%
Power tolerance	0~+5W					
Temperature coefficients of Pmax	-0.38%/C					
Temperature coefficients of Voc	-0.31%/C					
Temperature coefficients of Isc	0.05%/C					
Operating Temperature(°C)	-40 C ~+85 C					
Maximum system voltage	1000/1500VDC					
Maximum series fuse rating	15A					
Nominal operating cell temperature	41±3 C					

Mechanical Characteristics

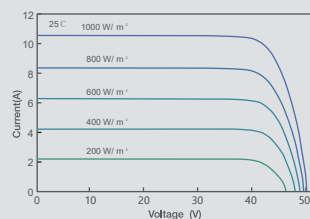
Cell Type	Poly158.75×79.38mm
No.of cells	144 (6×24)
Dimensions	2010×1000×35mm
Weight	22.5 kg
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Output Cables	1×4.0mm ² , Length:900mm or Customized Length
Packaging Configuration	26pcs/pallet , 52-56pcs/stack, 572-616pcs/40'HQContainer (Two pallets=One stack)

Dimensions



IV-Curvas

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

