

SPHP6-72L

400-420 Watt

POLY CRYSTALLINE MODULE



SpolarPV
Easy Invest, More Returns

- SP400HP6-72L
- SP405HP6-72L
- SP410HP6-72L
- SP415HP6-72L
- SP420HP6-72L

19.3%

Module efficiency



Product warranty

420 W

Highest power output



Linear power warranty

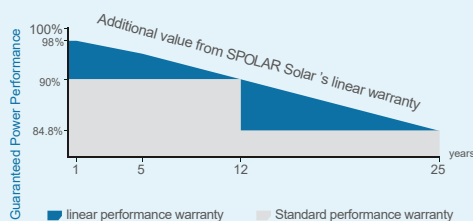
0 ~ +5W

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	SP400HP6-72L	SP405HP6-72L	SP410HP6-72L	SP415HP6-72L	SP420HP6-72L
Maximum Power -Pmax (W)	400	405	410	415	420
Maximum Power Voltage - Vmp (V)	39.60	39.80	40.00	40.20	40.40
Maximum Power Current - Imp (A)	10.10	10.18	10.25	10.32	10.40
Open-circuit Voltage - Voc (V)	46.80	47.00	47.20	47.40	47.60
Short-circuit Current - Isc (A)	10.75	10.84	10.93	11.01	11.10
Module Efficiency STC (%)	18.4	18.6	18.9	19.1	19.3

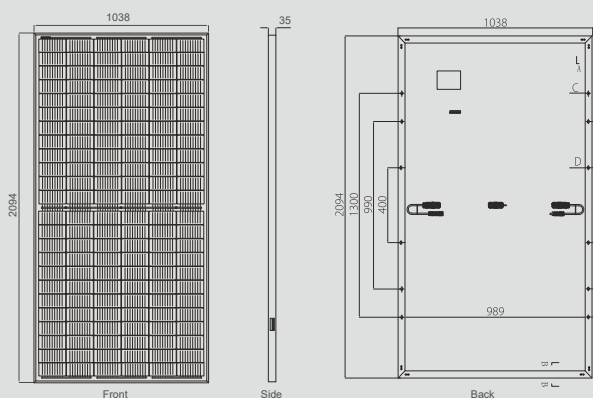
Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module Type	SP400HP6-72L	SP405HP6-72L	SP410HP6-72L	SP415HP6-72L	SP420HP6-72L
Maximum Power -Pmax (W)	299	303	307	311	314
Maximum Power Voltage - Vmp (V)	37.00	37.20	37.40	37.60	37.80
Maximum Power Current - Imp (A)	8.08	8.14	8.20	8.26	8.32
Open-circuit Voltage - Voc (V)	46.10	46.30	46.50	46.70	46.90
Short-circuit Current - Isc (A)	8.60	8.67	8.74	8.81	8.88
Power tolerance	0~+5W		Operating Temperature(°C)		-40 °C ~+85 °C
Temperature coefficients of Pmax	-0.370%/°C		Maximum system voltage		1500 V
Temperature coefficients of Voc	-0.286%/°C		Maximum series fuse rating		20A
Temperature coefficients of Isc	0.050%/°C		Nominal operating cell temperature		45±2 °C

Mechanical Characteristics

Cell Type	Poly-crystalline PERC 166×83mm
No.of cells	144 (6×24)
Dimensions	2094×1038×35mm
Weight	23.0 kg
Glass	Single Glass 3.2mm Coated Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Three Diodes
Output Cables	1×4.0mm ² , Length:300mm or Customized Length
Packaging Configuration	31pcs/pallet , 62pcs/stack, 704pcs/40'HQContainer (Two pallets=One stack)

Dimensions



IV-Curves

