

SPHM6-72L

430-455 Watt

MONO CRYSTALLINE MODULE



SpolarPV
Easy Invest, More Returns

- SP430HM6-72L
- SP440HM6-72L
- SP450HM6-72L
- SP435HM6-72L
- SP445HM6-72L
- SP455HM6-72L

20.45%

Module efficiency



Product warranty

455 W

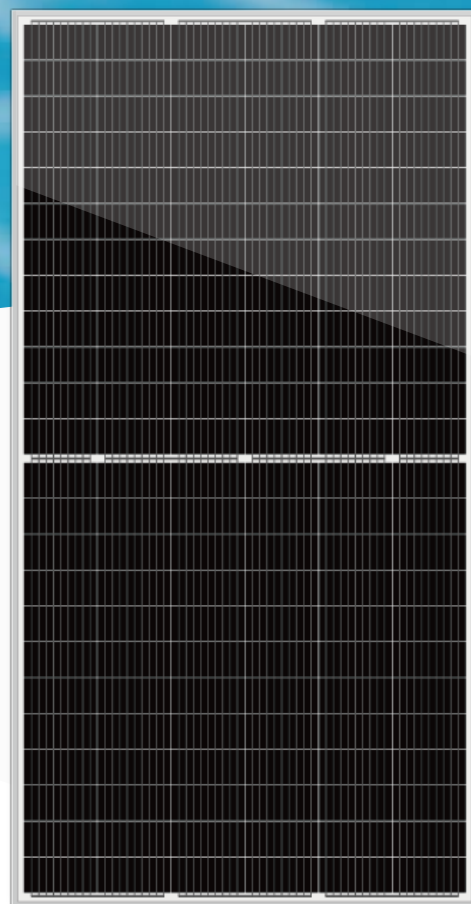
Highest power output



Linear power warranty

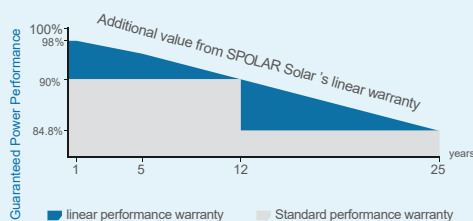
0 ~ +5W

Positive power tolerance



Key Features

Linear Performance Warranty



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.



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

www.spolarpv.com

Electrical Characteristics at Standard Test Conditions (STC)

Module Type	SP430HM6-72L	SP435HM6-72L	SP440HM6-72L	SP445HM6-72L	SP450HM6-72L	SP455HM6-72L
Maximum Power -Pmax (W)	430	435	440	445	450	455
Maximum Power Voltage - Vmp (V)	40.6	40.8	41.0	41.2	41.4	41.6
Maximum Power Current - Imp (A)	10.60	10.67	10.74	10.80	10.86	10.93
Open-circuit Voltage - Voc (V)	49.2	49.4	49.6	49.8	50.0	50.2
Short-circuit Current - Isc (A)	11.19	11.26	11.33	11.46	11.54	11.63
Module Efficiency STC (%)	19.33%	19.55%	19.78%	20.00%	20.22%	20.45%

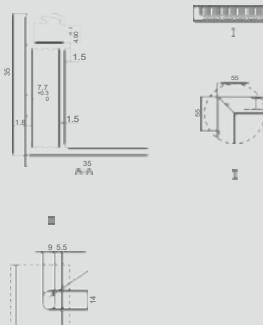
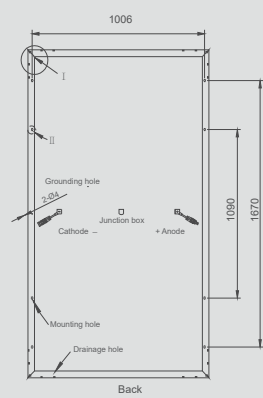
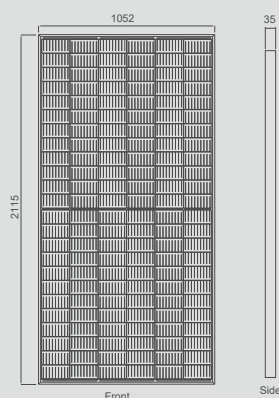
Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

Module Type	SP430HM6-72L	SP435HM6-72L	SP440HM6-72L	SP445HM6-72L	SP450HM6-72L	SP455HM6-72L
Maximum Power -Pmax (W)	326	330	334	337	341	345
Maximum Power Voltage - Vmp (V)	37.80	37.98	38.17	38.35	38.54	38.72
Maximum Power Current - Imp (A)	8.62	8.68	8.75	8.78	8.84	8.91
Open-circuit Voltage - Voc (V)	46.59	46.78	46.97	47.16	47.35	47.53
Short-circuit Current - Isc (A)	9.02	9.08	9.14	9.24	9.31	9.38
Power tolerance	0~+5W		Operating Temperature(°C)		-40 °C ~+85 °C	
Temperature coefficients of Pmax	-0.37%/°C		Maximum system voltage		1500 V	
Temperature coefficients of Voc	-0.32%/°C		Maximum series fuse rating		20A	
Temperature coefficients of Isc	0.05%/°C		Nominal operating cell temperature		43±2 °C	

Mechanical Characteristics

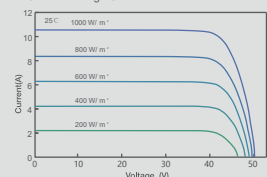
Cell Type	Mono-crystalline PERC 166×83mm
No.of cells	144 (6×24)
Dimensions	2115×1052×35mm
Weight	24.0 kg
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	1×4.0mm ² , Length:300mm or Customized Length
Packaging Configuration	56pcs/stack, 616pcs/40'HQContainer (Two pallets=One stack)

Dimensions



IV-Curves

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

