

SPHM6-72L

525-550 Watt

MONO CRYSTALLINE MODULE



SpolarPV
Easy Invest, More Returns

- SP525HM6-72L
- SP535HM6-72L
- SP545HM6-72L
- SP530HM6-72L
- SP540HM6-72L
- SP550HM6-72L

21.3%
Module efficiency



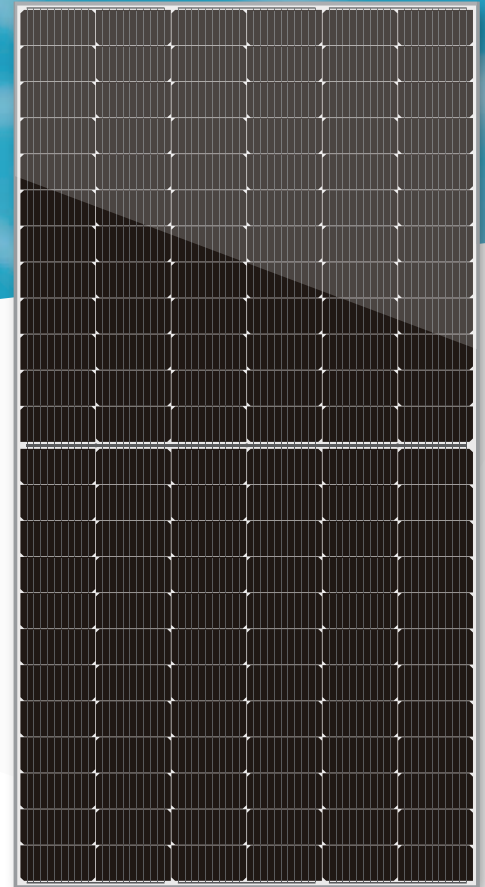
Product warranty

550 W
Highest power output

0 ~ +5W
Positive power tolerance

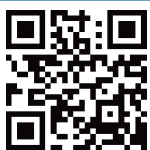
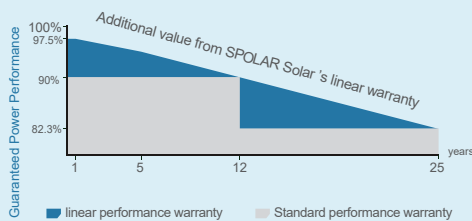


Linear power warranty



Key Features

Linear Performance Warranty



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

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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	SP525HM6-72L	SP530HM6-72L	SP535HM6-72L	SP540HM6-72L	SP545HM6-72L	SP550HM6-72L
Maximum Power -P _{max} (W)	525	530	535	540	545	550
Maximum Power Voltage - V _{mp} (V)	41.47	41.70	41.93	42.15	42.38	42.61
Maximum Power Current - I _{mp} (A)	12.66	12.71	12.76	12.81	12.86	12.91
Open-circuit Voltage - V _{oc} (V)	49.50	49.65	49.78	49.90	50.01	50.12
Short-circuit Current - I _{sc} (A)	13.42	13.47	13.52	13.57	13.62	13.67
Module Efficiency STC (%)	20.3%	20.5%	20.7%	20.9%	21.1%	21.3%

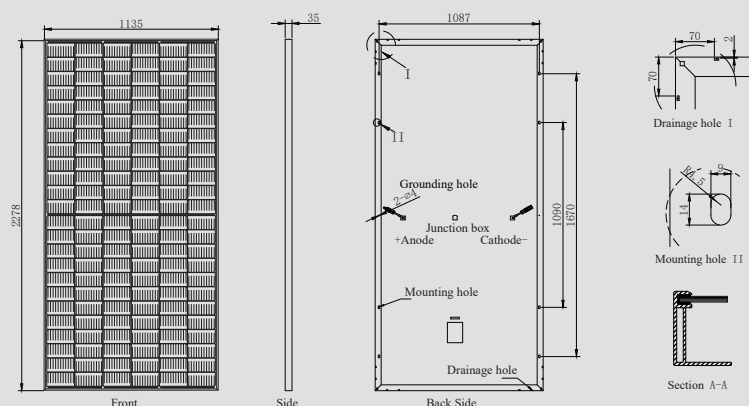
Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

Module Type	SP525HM6-72L	SP530HM6-72L	SP535HM6-72L	SP540HM6-72L	SP545HM6-72L	SP550HM6-72L
Maximum Power -P _{max} (W)	397	401	405	408	412	416
Maximum Power Voltage - V _{mp} (V)	38.57	38.78	38.99	39.20	39.43	39.66
Maximum Power Current - I _{mp} (A)	10.35	10.39	10.43	10.47	10.51	10.55
Open-circuit Voltage - V _{oc} (V)	46.05	46.18	46.31	46.43	46.55	46.67
Short-circuit Current - I _{sc} (A)	10.97	11.01	11.05	11.09	11.13	11.17
Power tolerance	0~+5W		Operating Temperature(°C)		-40 °C~+85 °C	
Temperature coefficients of P _{max}	-0.350%/°C		Maximum system voltage		1500 V	
Temperature coefficients of V _{oc}	-0.275%/°C		Maximum series fuse rating		25A	
Temperature coefficients of I _{sc}	0.045%/°C		Nominal operating cell temperature		45±2 °C	

Mechanical Characteristics

Cell Type	Mono-crystalline PERC 182×91mm
No.of cells	144 (6×24)
Dimensions	2278×1135×35mm
Weight	28.0 kg
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, MC4 Compatible, 3 Bypass Diodes
Output Cables	1×4.0mm ² , Length:300mm or Customized Length
Packaging Configuration	62pcs/stack, 620pcs/40'HQContainer (Two pallets=One stack)

Dimensions



IV-Curves

