

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

12
years

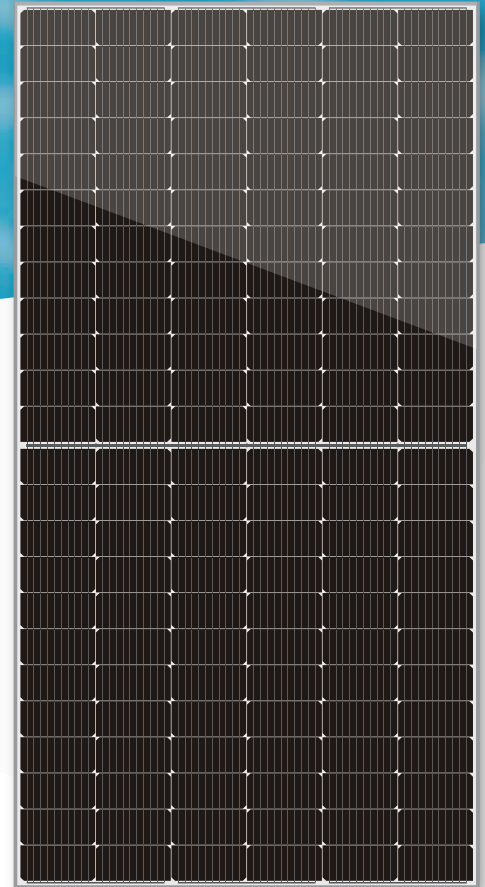
Product warranty

550 W
Highest power output

0 ~ +5W
Positive power tolerance

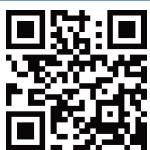
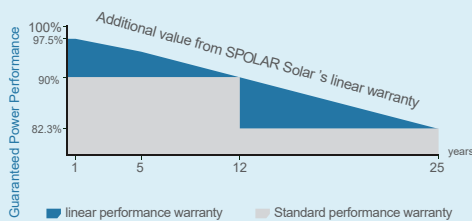
25
years

Linear power warranty



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	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%

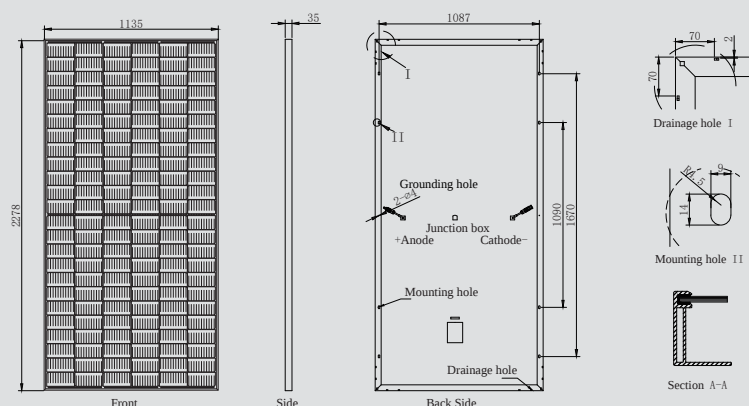
Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

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	

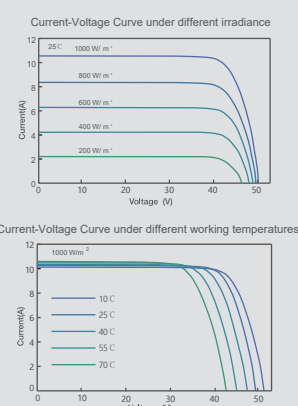
Mechanical Characteristics

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



CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

SPOLARPV TECHNOLOGY Co., Ltd.

Maoshan Road 39, Gaochun Economic Development Zone,
Nanjing City, Jiangsu Province,
P.R. China

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

PV Modules with 6" Mono-crystalline Silicon Solar Cells

PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells



Valid from: 2021-01-22

Valid until: 2025-09-21

Tested according to: IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 21 406749 - 014

Manufacturer: see Annex 1

Test Report No.: 492011595.001

File No.: PVP11085/20P



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2021-01-22

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 21 406749 - 014

Seite / Page 1 von / of 1

Aktenzeichen: / File reference: PVP11085/20P

2021-01-22

Manufacturer:

Manufacturer:

SPOLARPV TECHNOLOGY Co., Ltd.

Maoshan Road 39, Gaochun Economic Development Zone,
Nanjing City, Jiangsu Province, P.R. China

Factory inspection report no.:

862010511.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Description of product(s):

Module types:	PV Modules with 6" Mono-crystalline Silicon Solar Cells: 72 cells: SPxxxM6-72 (xxx = 375-385, in increment of 5) 60 cells: SPxxxM6-60 (xxx = 315-320, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types:	PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells: 144 cells: SPxxxHM6-72L (xxx = 380-415, in increment of 5) 120 cells: SPxxxHM6-60L (xxx = 315-345, in increment of 5) 144 cells: SPxxxHM6-72L (xxx = 425-465, in increment of 5) 120 cells: SPxxxHM6-60L (xxx = 355-385, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



TÜV NORD CERT GmbH
Certification Body
Consumer Products