

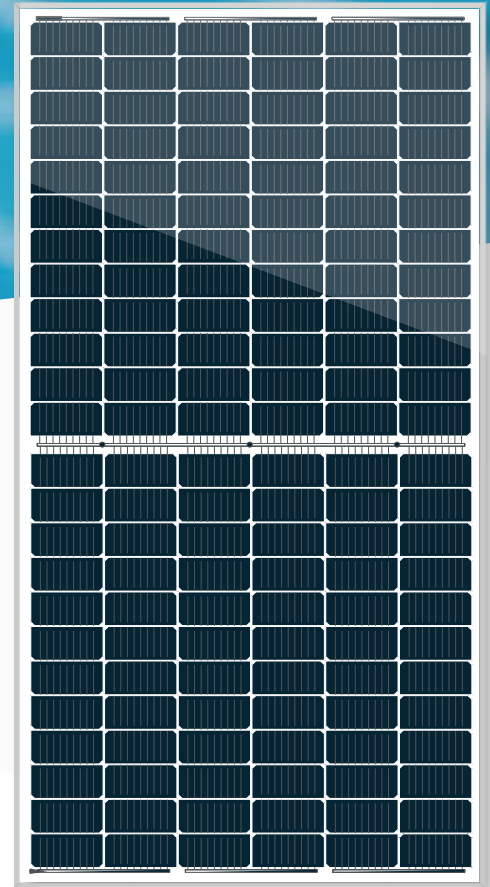
Bifacial Double Glass 435-455 Watt

MONO CRYSTALLINE MODULE

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



SpolarPV
Easy Invest, More Returns



20.9%

Module efficiency



Product warranty

455 W

Highest power output



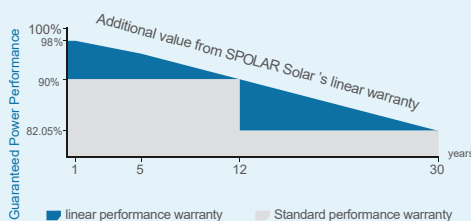
Linear power warranty

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) / Normal Operating Cell Temperature (NOCT)

Module Type	SP435HM6-72L	SP440HM6-72L	SP445HM6-72L	SP450HM6-72L	SP455HM6-72L
Maximum Power -Pmax (W)	435 / 324	440 / 327	445 / 331	450 / 335	455 / 339
Maximum Power Voltage - Vmp (V)	40.80 / 37.57	41.00 / 37.76	41.20 / 37.94	41.40 / 38.12	41.60 / 38.33
Maximum Power Current - Imp (A)	10.66 / 8.61	10.73 / 8.67	10.80 / 8.73	10.87 / 8.78	10.93 / 8.83
Open-circuit Voltage - Voc (V)	49.10 / 46.31	49.20 / 46.41	49.40 / 46.59	49.60 / 46.78	49.80 / 46.97
Short-circuit Current - Isc (A)	11.36 / 9.18	11.45 / 9.25	11.52 / 9.31	11.58 / 9.36	11.65 / 9.41
Module Efficiency STC (%)	20.0%	20.2%	20.5%	20.7%	20.9%

Bifaciality 70%, Irradiance Ratio 10%

NominalMax.Power	465	471	476	482	487
Maximum Power Voltage	40.80	41.00	41.20	41.40	41.60
Maximum Power Current	11.41	11.48	11.56	11.63	11.70
Open-Circuit Voltage	49.10	49.20	49.40	49.60	49.80
Short-Circuit Current	12.16	12.25	12.33	12.39	12.47

Operating Parameters

Power tolerance	0~+5W	Operating Temperature(°C)	-40 C ~+85 C
Temperature coefficients of Pmax	-0.350%/ C	Maximum system voltage	1500 V
Temperature coefficients of Voc	-0.284%/ C	Maximum series fuse rating	25A
Temperature coefficients of Isc	0.050%/ C	Nominal operating cell temperature	45±2 C

Mechanical Characteristics

Cell Type	Mono-crystalline PERC 166×83mm
No.of cells	144 (6×24)
Dimensions	2094×1038×35mm
Weight	27.5 kg
Glass	Dual Glass 2.0mm Coated Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Output Cables	1×4.0mm ² , Length:350mm or Customized Length
Packaging Configuration	30pcs/pallets, 150pcs/20'GP, 660pcs/40'HQContainer (Two pallets=One stack)

Dimensions

IV-Curves

