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Solar Panel Guide Specification Data Sheet

SpolarPV Technology Co., Ltd.

SPHM6-72

SP390HM6-144

Also available on the web at
EnergyPal.com/spolarpv-technology-co-ltd-solar-panels/sp390hm6-144

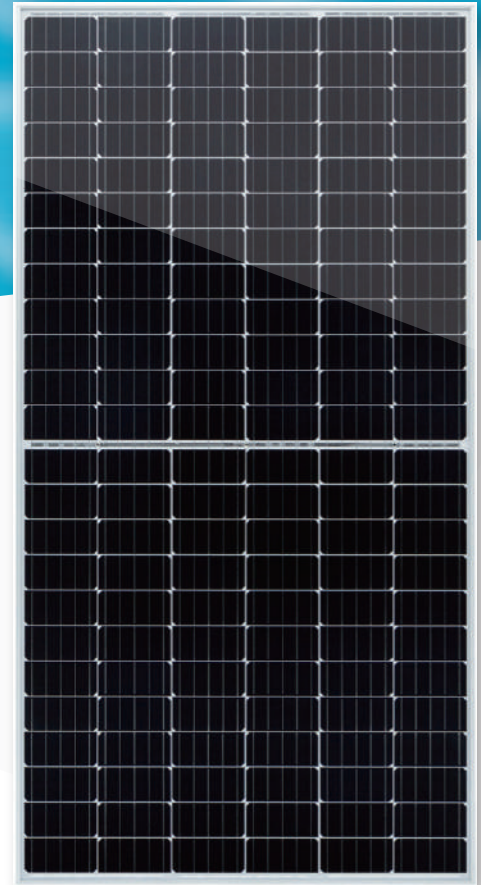


SpolarPV
Easy Invest, More Returns

SPHM6-144 370-390 Watt

MONO CRYSTALLINE MODULE

- SP370HM6-144
- SP380HM6-144
- SP390HM6-144
- SP375HM6-144
- SP385HM6-144



19.68%

Module efficiency



Product warranty

390 W

Highest power output



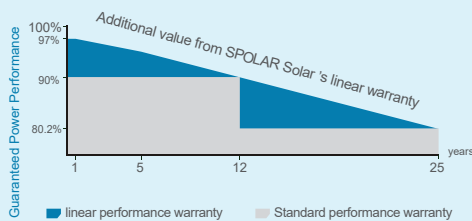
Linear power warranty

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 | SP370HM6-144 | SP375HM6-144 | SP380HM6-144 | SP385HM6-144 | SP390HM6-144 |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|
| Maximum Power -Pmax (W) | 370 | 375 | 380 | 385 | 390 |
| Maximum Power Voltage - Vmp (V) | 39.83 | 40.11 | 40.39 | 40.66 | 40.93 |
| Maximum Power Current - Imp (A) | 9.29 | 9.35 | 9.41 | 9.47 | 9.53 |
| Open-circuit Voltage - Voc (V) | 48.17 | 48.43 | 48.72 | 48.99 | 49.26 |
| Short-circuit Current - Isc (A) | 10.06 | 10.13 | 10.19 | 10.25 | 10.32 |
| Module Efficiency STC (%) | 18.67% | 18.92% | 19.17% | 19.42% | 19.68% |

Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

| Module Type | SP370HM6-144 | SP375HM6-144 | SP380HM6-144 | SP385HM6-144 | SP390HM6-144 |
|----------------------------------|--------------|--------------|------------------------------------|--------------|--------------|
| Maximum Power -Pmax (W) | 288 | 285 | 282 | 278 | 284 |
| Maximum Power Voltage - Vmp (V) | 37.94 | 37.69 | 37.19 | 36.93 | 36.68 |
| Maximum Power Current - Imp (A) | 7.60 | 7.55 | 7.58 | 7.53 | 7.48 |
| Open-circuit Voltage - Voc (V) | 46.51 | 46.26 | 45.96 | 45.68 | 45.44 |
| Short-circuit Current - Isc (A) | 8.33 | 8.27 | 8.23 | 8.18 | 8.13 |
| Power tolerance | 0~+5W | | Operating Temperature(°C) | | -40 C ~+85 C |
| Temperature coefficients of Pmax | -0.38%/C | | Maximum system voltage | | 1000/1500V |
| Temperature coefficients of Voc | -0.31%/C | | Maximum series fuse rating | | 15A |
| Temperature coefficients of Isc | 0.05%/C | | Nominal operating cell temperature | | 45±2 C |

Mechanical Characteristics

| | |
|-------------------------|--|
| Cell Type | Mono-crystalline PERC 156.75×78.38mm |
| No.of cells | 144 (6×24) |
| Dimensions | 2000×992×40mm |
| Weight | 22.0 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:900mm or Customized Length |
| Packaging Configuration | 26pcs/pallet , 52-56pcs/stack, 572-616pcs/40'HQContainer (Two pallets=One stack) |

Dimensions

IV-Curves

