

# SPHM6-54L

## 395-415 Watt

### MONO CRYSTALLINE MODULE



**SpolarPV**  
Easy Invest, More Returns

- SP395HM6-54L
- SP405HM6-54L
- SP415HM6-54L
- SP400HM6-54L
- SP410HM6-54L

## 21.25%

Module efficiency



Product warranty

## 415 W

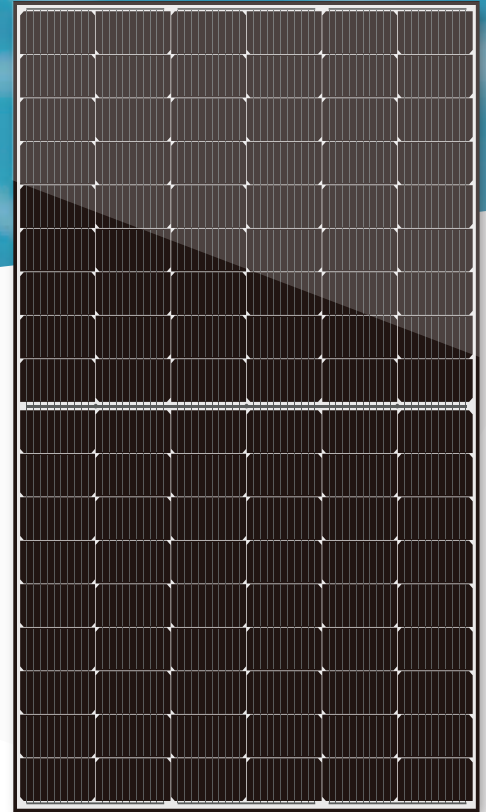
Highest power output



Linear power warranty

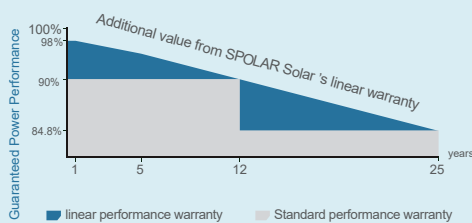
## 0 ~ +5W

Positive power tolerance



### Key Features

#### Linear Performance Warranty



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

[www.spolarpv.com](http://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                     | SP395HM6-54L | SP400HM6-54L | SP405HM6-54L | SP410HM6-54L | SP415HM6-54L |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|
| Maximum Power -Pmax (W)         | 395          | 400          | 405          | 410          | 415          |
| Maximum Power Voltage - Vmp (V) | 31.08        | 31.35        | 31.62        | 31.88        | 32.12        |
| Maximum Power Current - Imp (A) | 12.71        | 12.76        | 12.81        | 12.86        | 12.92        |
| Open-circuit Voltage - Voc (V)  | 37.36        | 37.69        | 38.02        | 38.35        | 38.67        |
| Short-circuit Current - Isc (A) | 13.47        | 13.52        | 13.57        | 13.62        | 13.67        |
| Module Efficiency STC (%)       | 20.22%       | 20.48%       | 20.73%       | 20.99%       | 21.25%       |

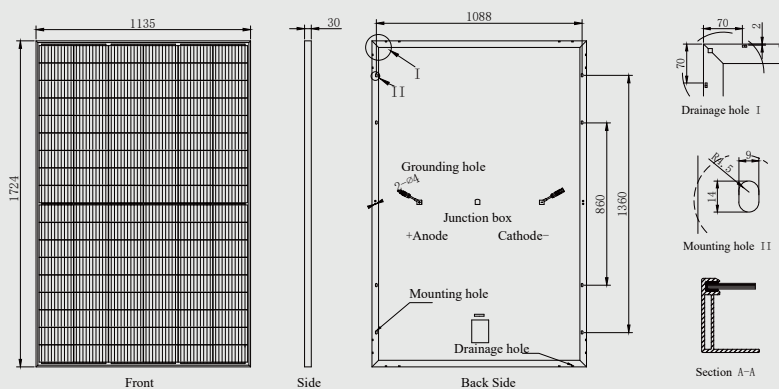
## Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

| Module Type                      | SP395HM6-54L | SP400HM6-54L | SP405HM6-54L                       | SP410HM6-54L | SP415HM6-54L |
|----------------------------------|--------------|--------------|------------------------------------|--------------|--------------|
| Maximum Power -Pmax (W)          | 298          | 301          | 304                                | 308          | 311          |
| Maximum Power Voltage - Vmp (V)  | 29.30        | 29.50        | 29.70                              | 29.90        | 30.10        |
| Maximum Power Current - Imp (A)  | 10.17        | 10.21        | 10.25                              | 10.29        | 10.34        |
| Open-circuit Voltage - Voc (V)   | 35.20        | 35.40        | 35.60                              | 35.80        | 36.00        |
| Short-circuit Current - Isc (A)  | 10.78        | 10.82        | 10.86                              | 10.90        | 10.94        |
| Power tolerance                  | 0~+5W        |              | Operating Temperature(°C)          |              | -40 C~+85 C  |
| Temperature coefficients of Pmax | -0.350%/C    |              | Maximum system voltage             |              | 1500V        |
| Temperature coefficients of Voc  | -0.275%/C    |              | Maximum series fuse rating         |              | 25A          |
| Temperature coefficients of Isc  | 0.045%/C     |              | Nominal operating cell temperature |              | 45±2 C       |

## Mechanical Characteristics

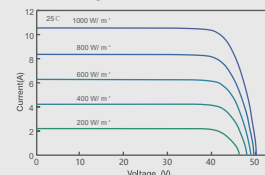
|                         |                                                              |
|-------------------------|--------------------------------------------------------------|
| Cell Type               | Mono-crystalline PERC 182×91mm                               |
| No.of cells             | 108 (6×18)                                                   |
| Dimensions              | 1724×1133×30mm                                               |
| Weight                  | 21.5 kg                                                      |
| Front Glass             | 3.2mm, High Transmission, Low Iron, Tempered Glass           |
| Frame                   | Anodized Aluminium Alloy, black                              |
| Junction Box            | IP68, MC4 Compatible, 3 Bypass Diodes                        |
| Output Cables           | 1×4.0mm <sup>2</sup> , Length:900mm or Customized Length     |
| Packaging Configuration | 72pcs/stack, 936pcs/40'HQContainer ( Two pallets=One stack ) |

## Dimensions



## IV-Curves

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

