

**For a Free Quote:**

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

Email: **contact@energypal.com**

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Sunova Solar Technology Co., Ltd**  
**SS-(360~380)-72M**  
**SS-370-72M**

Also available on the web at  
[EnergyPal.com/sunova-solar-technology-co-ltd-solar-panels/ss-370-72m](http://EnergyPal.com/sunova-solar-technology-co-ltd-solar-panels/ss-370-72m)




SS-380-72M 72cells

360-380W


### Management System

ISO 9001: Quality Management System  
 ISO 14001: Environmental Management System Standard  
 OHSAS 18001: International Occupational Health and Safety Assessment System Standard

### Safety

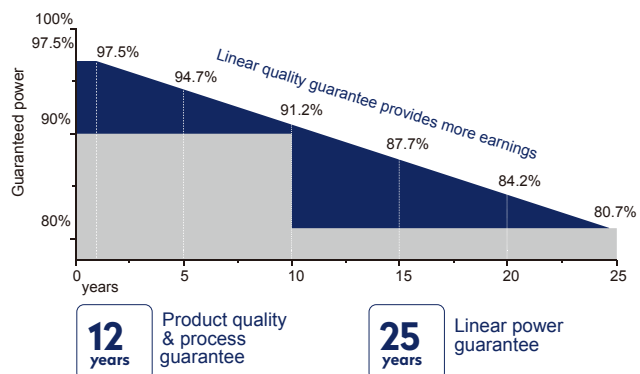
- 

Resistance to salt-spray corrosion (IEC61701, certified to TÜVRheinland test standard)
- 


Resistance to ammonia Corrosion (IEC62716, certified to TÜVRheinland test standard)
- 

Fire safety (Class C, certified to TÜVRheinland and Rheinland test standards)

### Product Guarantee





### Reliability

- 

Resistance to power attenuation passed TÜVRheinland system voltage endurance test

### High performance

- 

Excellent power output of modules in low light environment
- 

100% double EL test enabling remarkable reduction of hidden crack rate of modules



### Product Certification



### Product Insurance



Specifications are subject to change without prior notice

# SS-380-72M 72cells

## Electric characteristics

Model of modules	SS-360-72M		SS-365-72M		SS-370-72M		SS-375-72M		SS-380-72M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power— $P_{mp}$ (W)	360W	270W	365W	274W	370W	278W	375W	282W	380W	286W
Open-circuit voltage— $V_{oc}$ (V)	48.0V	46.5V	48.2V	46.8V	48.5V	47.0V	48.7V	47.2V	48.9V	47.5V
Short-circuit current— $I_{sc}$ (A)	9.51A	7.61A	9.57A	7.68A	9.61A	7.75A	9.68A	7.82A	9.75A	7.88A
Maximum power voltage— $V_{mp}$ (V)	39.5V	37.7V	39.7V	37.9V	39.9V	38.1V	40.2V	38.3V	40.5V	38.6V
Maximum power current— $I_{mp}$ (A)	9.12A	7.17A	9.20A	7.24A	9.28A	7.30A	9.33A	7.36A	9.39A	7.42A
Module efficiency— $\eta_m$ (%)	18.55%		18.81%		19.07%		19.33%		19.58%	

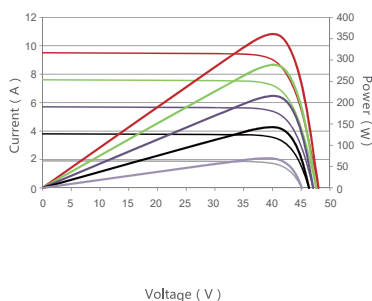
STC : Irradiance 1000 W/m<sup>2</sup>, 25°C, AM1.5

NOCT: Irradiance 800 W/m<sup>2</sup>, 20°C, wind velocity 1m/s

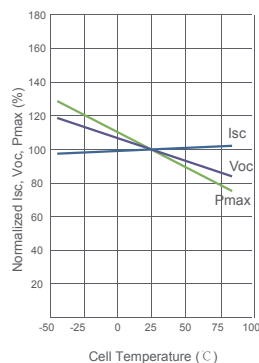
Power tolerance (W)	(0,+3)
Maximum system voltage (V)	1000V/1500V
Maximum rated fuse current (A)	20

## Electrical Performance & Temperature Dependence

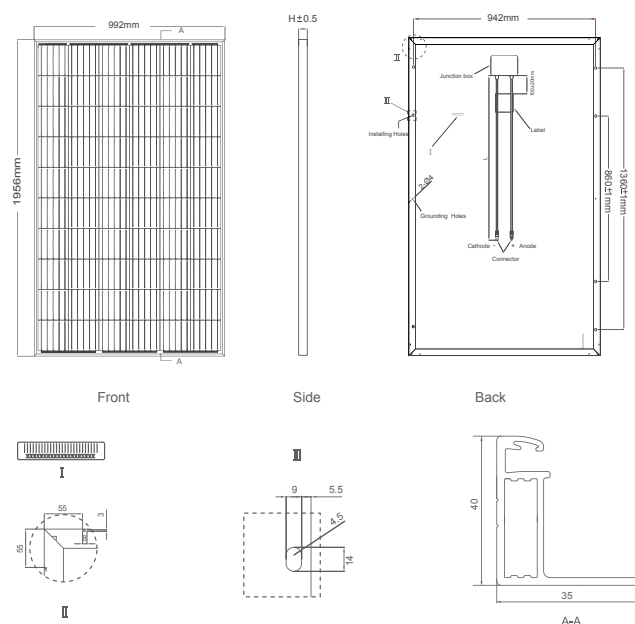
Current-Voltage & Power-Voltage Curves (370W)



Temperature Dependence of  $I_{sc}$ ,  $V_{oc}$ ,  $P_{max}$



## Engineering Drawings



## Temperature characteristics

Temperature coefficient at maximum power	-0.37 %/°C
Temperature coefficient of Voc	-0.28 %/°C
Temperature coefficient of Isc	+0.048%/°C
Operating temperature	-40~+85°C
Rated operating temperature of cells	45±2°C

## Packaging Configuration

Container	20GP	40HC
Quantity/pallet	27	27
Pallets/container	10	22
Quantity/container	270	660

## Structural characteristics

Module dimensions	1956 x 992 x 40 mm
Weight	22.5kg
Cell	Mono-crystalline 156.75×156.75mm
Glass	3.2mm AR tempered
Frame	Anodized aluminum alloy
Junction box	IP67
Output wire	4.0 mm <sup>2</sup> , wire length: 900 mm or Customized Length
Connector	MC4 compatible
Mechanical load	5400 Pa

Specifications are subject to change without prior notice