

Die echte Deutsche Produkte

SUNVA



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)

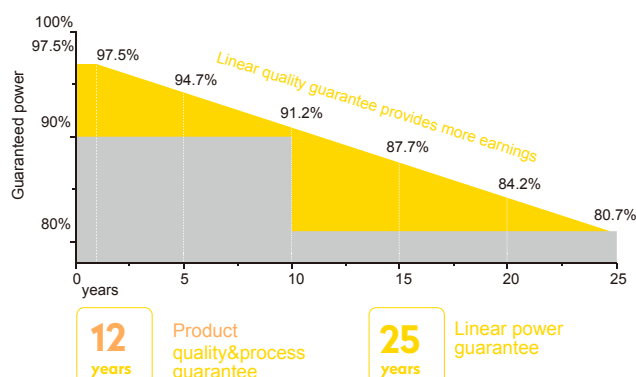


Resistance to ammonia Corrosion (IEC62716, certified to TÜVRheinland test standard)



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

PICC

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SUNOVA SOLAR

POWERING THE FUTURE

# SS-380-72M 72cells

## Electric characteristics

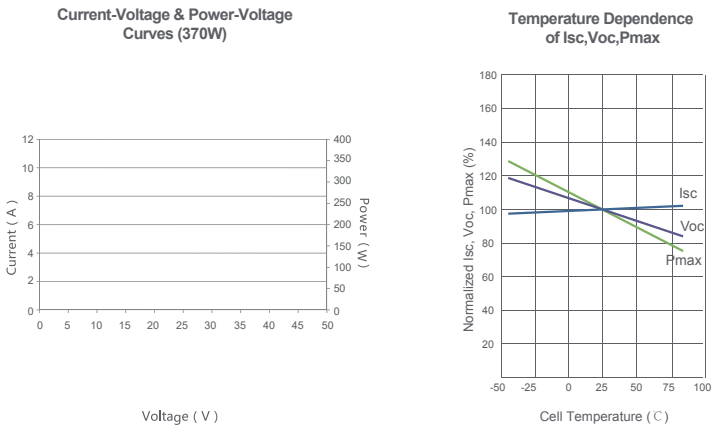
| Model of modules                     | SS-360-72M |       | SS-365-72M |       | SS-370-72M |       | SS-375-72M |       | SS-380-72M |       |
|--------------------------------------|------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|
|                                      | 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/m², 25°C, AM1.5

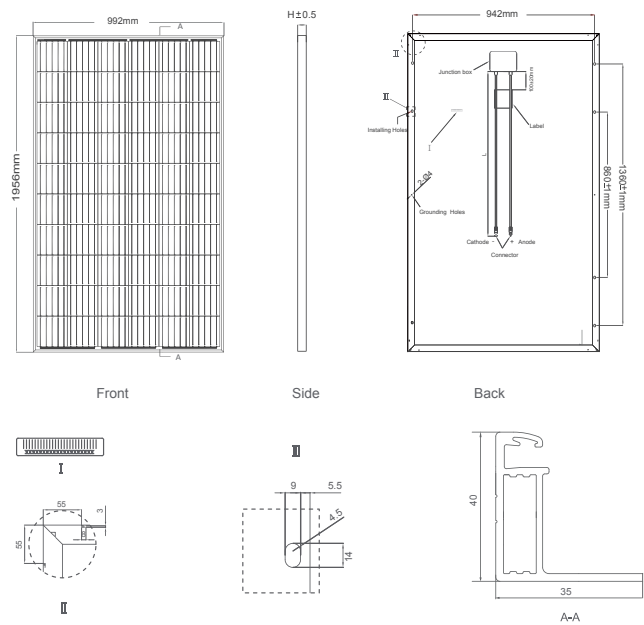
NOCT: Irradiance 800 W/m², 20°C, wind velocity 1m/s

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

## Electrical Performance & Temperature Dependence



## Engineering Drawings



## Temperature characteristics

|                                          |            |
|------------------------------------------|------------|
| Temperature coefficient at maximum power | -0.37 %/°C |
| Temperature coefficient of $V_{oc}$      | -0.28 %/°C |
| Temperature coefficient of $I_{sc}$      | +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 mm², wire length: 900 mm or Customized Length |
| Connector         | MC4 compatible                                    |
| Mechanical load   | 5400 Pa                                           |

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