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Solar Panel Guide Specification Data Sheet

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

Also available on the web at
EnergyPal.com/sunova-solar-technology-co-ltd-solar-panels/ss-360-72m




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

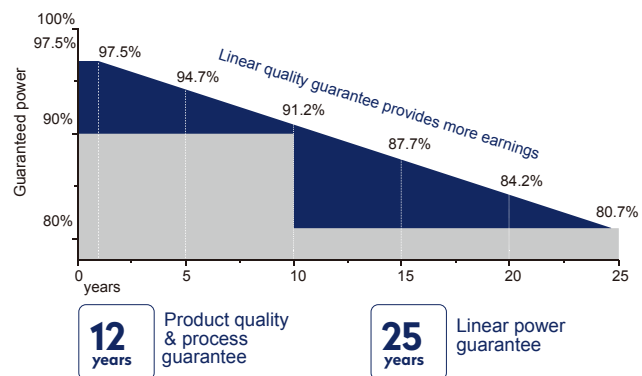
Safety

 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— η_m (%) | 18.55% | | 18.81% | | 19.07% | | 19.33% | | 19.58% | |

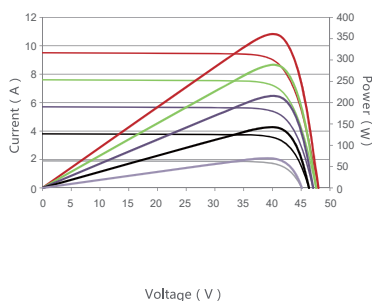
STC : Irradiance 1000 W/m², 25°C, AM1.5

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

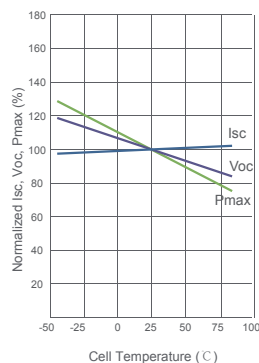
| | |
|--------------------------------|-------------|
| Power tolerance (W) | (0,+3) |
| Maximum system voltage (V) | 1000V/1500V |
| Maximum rated fuse current (A) | 20 |

Electrical Performance & Temperature Dependence

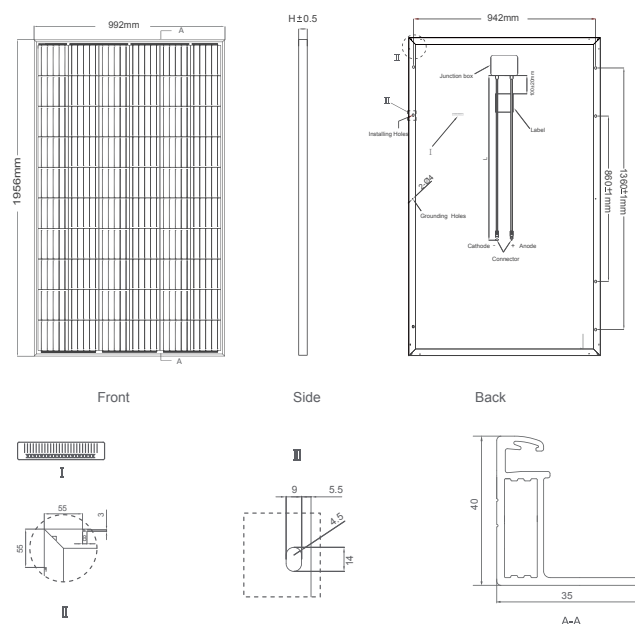
Current-Voltage & Power-Voltage Curves (370W)



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 ² , wire length: 900 mm or Customized Length |
| Connector | MC4 compatible |
| Mechanical load | 5400 Pa |

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