

SS-355-72PDX9

345-355W

Management System

ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

OHSAS 18001: International Occupational Health and Safety Assessment System Standard



Half-cut cell technology

New circuit design, lower internal current, lower Rs loss



Significantly lower the risk of hot spot

Special circuit design with much lower hot spot temperature



Resistance to power attenuation passed TÜVRheinland system voltage endurance test

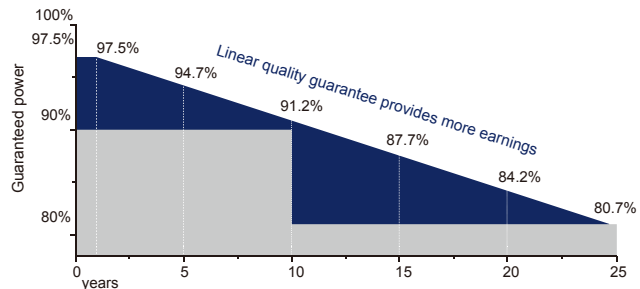


Resistance to salt-spray corrosion (IEC61701, certified to TÜVRheinland test standard)



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

Product Guarantee

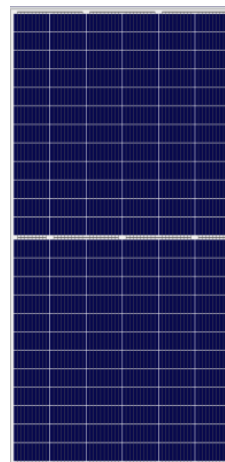


12 years

Product quality & process guarantee

25 years

Linear power guarantee



Product Certification



Product Insurance

PICC

Specifications are subject to change without prior notice

SS-355-72PDX9

Electric characteristics

| Model of modules | SS-345-72PDX9 | | SS-350-72PDX9 | | SS-355-72PDX9 | |
|-------------------------------------|---------------|-------|---------------|-------|---------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum power— P_{mp} (W) | 345W | 261W | 350W | 265W | 355W | 269W |
| Open-circuit voltage— V_{oc} (V) | 46.4V | 43.7V | 46.7V | 44.0V | 47.0V | 44.2V |
| Short-circuit current— I_{sc} (A) | 9.59A | 7.76A | 9.64A | 7.83A | 9.71A | 7.91A |
| Maximum power voltage— V_{mp} (V) | 37.8V | 35.7V | 38.0V | 35.9V | 38.2V | 36.1V |
| Maximum power current— I_{mp} (A) | 9.13A | 7.31A | 9.22A | 7.38A | 9.30A | 7.45A |
| Module efficiency— η_m (%) | 17.13% | | 17.38% | | 17.63% | |

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

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

Temperature characteristics

| | |
|--|------------|
| Temperature coefficient at maximum power | -0.37%/°C |
| Temperature coefficient at open-circuit voltage | -0.29%/°C |
| Temperature coefficient at short-circuit current | +0.05%/°C |
| Operating temperature | -40~+85 °C |
| Rated operating temperature of cells | 45±2 °C |

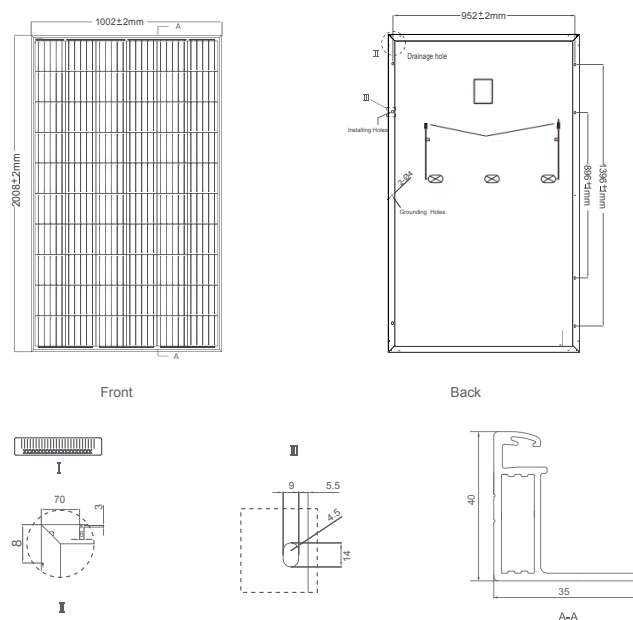
Structural characteristics

| | |
|--------------------------|--|
| Module dimensions | 2008 x 1002 x 40 mm |
| Weight/No. of Half-cells | 22.5kg / 144(6x24) |
| Cell | Polycrystal 158.75×158.75mm 9BB |
| Glass | 3.2mm AR tempered, low iron |
| Frame | Anodized aluminum alloy |
| Junction box | IP67 |
| Output wire | 4.0 mm ² , wire length: 290mm, -145mm or Customized |
| Connector | MC4 compatible |
| Mechanical load | 5400 Pa |

Working characteristics

| | |
|--------------------------------|-------------|
| Power tolerance (W) | (0,+5) |
| Maximum system voltage (V) | 1000V/1500V |
| Maximum rated fuse current (A) | 20 |

Engineering Drawings



Packaging Configuration

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

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