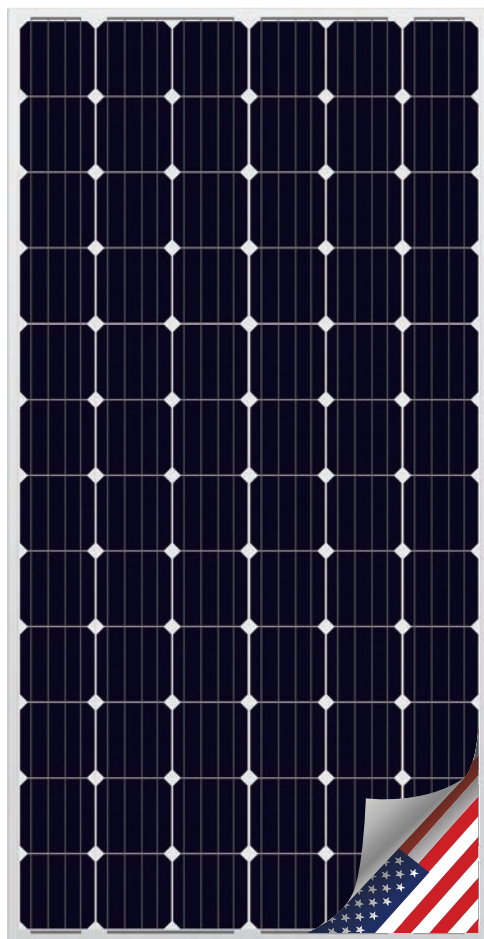


340-360_w



AMERICAN RECOVERY AND REINVESTMENT ACT

Modules manufactured at our Jackson, MS facility qualify for projects that are required to meet the “Buy American” clause of the American Recovery and Reinvestment Act (ARRA)



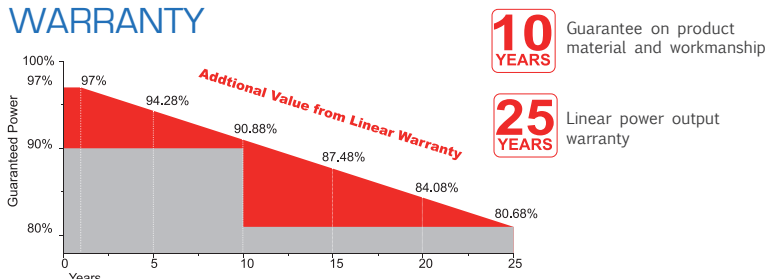
MANAGEMENT SYSTEM

- ISO 9001:** Quality management system
- ISO 14001:** Standard for environmental management system
- OHSAS 18001:** International standard for occupational health and safety assessment system

PRODUCT CERTIFICATES



WARRANTY



Safety

- Safety for salt mist corrosion (IEC61701, tested in TÜV SÜD)
- Safety for ammonia corrosion (IEC62716, tested in TÜV SÜD)
- Fire Rating: Class C
Module Fire Performance: Type 1

Reliability

- PID free products, passing TÜV SÜD system voltage durability test
- World 1st company to pass “Thresher Test” and “On-site Power Measurement Validation” certificate
- Bankable products

Performance

- Outstanding power output capability at low irradiance
- 100% In-line Electroluminescence (EL) tests minimize breakage rate
- Top rank in Photon yield measurement



*BLACK FRAME / BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST.

340-360_W

Electrical Characteristics (STC)

| Module Type | SRP-340-6MA | SRP-345-6MA | SRP-350-6MA | SRP-355-6MA | SRP-360-6MA |
|---|-------------|-------------|-------------|-------------|-------------|
| Maximum Power STC - P _{mp} (W) | 340 | 345 | 350 | 355 | 360 |
| Open Circuit Voltage - V _{oc} (V) | 46.60 | 46.80 | 47.00 | 47.20 | 47.40 |
| Short Circuit Current - I _{sc} (A) | 9.32 | 9.43 | 9.51 | 9.61 | 9.70 |
| Maximum Power Voltage - V _{mp} (V) | 37.70 | 37.90 | 38.10 | 38.30 | 38.50 |
| Maximum Power Current - I _{mp} (A) | 9.02 | 9.11 | 9.19 | 9.27 | 9.36 |
| Module Efficiency STC - η_m (%) | 17.52 | 17.78 | 18.04 | 18.30 | 18.55 |

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5;
Power measurement tolerance: +/-3%

Electrical Characteristics (NOCT)

| Module Type | SRP-340-6MA | SRP-345-6MA | SRP-350-6MA | SRP-355-6MA | SRP-360-6MA |
|---|-------------|-------------|-------------|-------------|-------------|
| Maximum Power NOCT - P _{mp} (W) | 252 | 256 | 260 | 263 | 267 |
| Open Circuit Voltage - V _{oc} (V) | 43.00 | 43.20 | 43.40 | 43.60 | 43.80 |
| Short Circuit Current - I _{sc} (A) | 7.59 | 7.68 | 7.68 | 7.75 | 7.84 |
| Maximum Power Voltage - V _{mp} (V) | 35.50 | 35.60 | 35.8 | 35.90 | 36.10 |
| Maximum Power Current - I _{mp} (A) | 7.10 | 7.19 | 7.27 | 7.33 | 7.40 |

NOCT: Irradiance 800 W/m² ambient temperature 20°C wind speed: 1m/s;
Power measurement tolerance: +/-3%

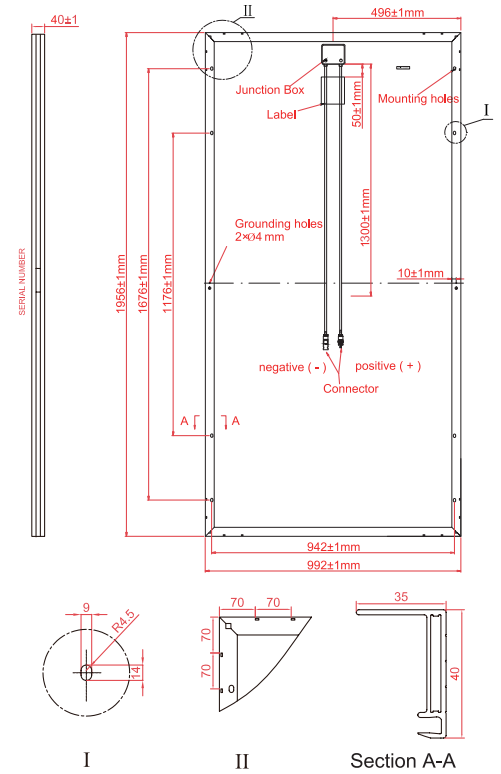
| | |
|--------------------------------|-----------------------|
| Power Tolerance (W) | (0,+4.99) |
| Maximum System Voltage (V) | 1000 (TÜV), 1000 (UL) |
| Maximum Series Fuse Rating (A) | 20 |

Temperature Characteristics

| | |
|---|------------|
| P _{max} Temperature Coefficient | -0.40 %/°C |
| V _{oc} Temperature Coefficient | -0.32 %/°C |
| I _{sc} Temperature Coefficient | +0.05 %/°C |
| Operating Temperature | -40~+85°C |
| Nominal Operating Cell Temperature (NOCT) | 45±2 °C |

Mechanical Specifications

| | | |
|---------------------|---|---|
| External Dimensions | 1956 x 992 x 50 mm | 1956 x 992 x 40 mm |
| Weight | 24.0 kg | 23.0 kg |
| Solar Cells | Monocrystalline 156 x 156 mm (72pcs) | Monocrystalline 156 x 156 mm (72pcs) |
| Front Glass | 3.2 mm tempered glass, low iron | 3.2 mm tempered glass, low iron |
| Frame | Anodized aluminum alloy | Anodized aluminum alloy |
| Junction Box | IP67 | IP67 |
| Output Cables | 4.0 mm ² , cable length: 1300 mm | 4.0 mm ² , cable length: 1300 mm |
| Connector | MC4 Compatible | MC4 Compatible |
| Mechanical Load | 5400 Pa | 5400 Pa |



* All Dimensions in mm

* The above drawing is a graphical representation of the product.
For engineering quality drawings please contact SERAPHIM.

I-V & P-V Curve (SRP-6MA)

