

SRP-6MB SERIES 6 INCH 60 CELLS

295-310w



KEY FEATURES



Bankable products



Safety for salt mist corrosion
(IEC61701, tested in TÜV SÜD)



Safety for ammonia corrosion
(IEC62716, tested in TÜV SÜD)



Top rank in Photon yield measurement



Safety for fire risk
(Class C tested in TÜV SÜD and Rheinand)



Outstanding power output capability at low irradiance



Triple 100% Electroluminescence (EL) tests minimize
breakage rate



World 1st company to pass "Thresher Test" and "On-site
Power Measurement Validation" certificate



Anti-PID products, passing TÜV SÜD system voltage durability test

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

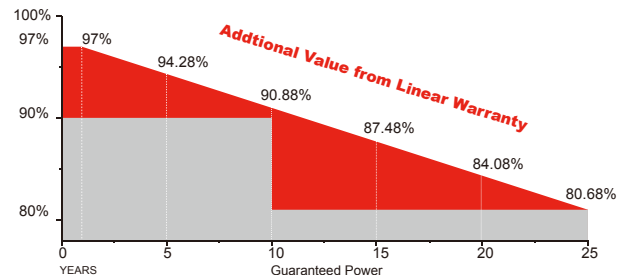
INSURANCE



PRODUCT CERTIFICATES



WARRANTY



Guarantee on product material and workmanship



linear power output warranty

Specifications are subject to change without further notification SRP-DS-EN-2018V2.0 © Copyright 2018 Seraphim

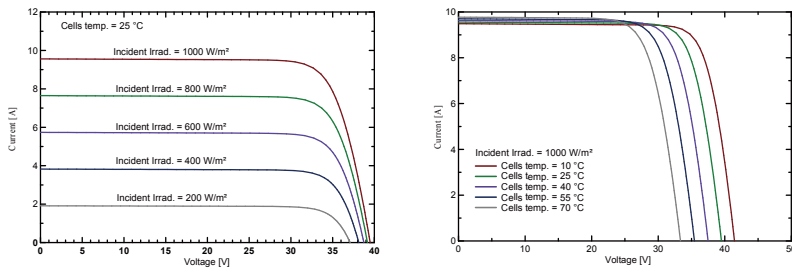
Electrical Characteristics

| Module Type | SRP-295-6MB | | SRP-300-6MB | | SRP-305-6MB | | SRP-310-6MB | |
|--|-------------|------|-------------|------|-------------|------|-------------|------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power -P _{mp} (W) | 295 | 219 | 300 | 223 | 305 | 226 | 310 | 230 |
| Open Circuit Voltage -V _{oc} (V) | 39.5 | 36.5 | 39.7 | 36.7 | 39.9 | 36.8 | 40.2 | 37.1 |
| Short Circuit Current -I _{sc} (A) | 9.56 | 7.73 | 9.65 | 7.82 | 9.76 | 7.91 | 9.82 | 7.96 |
| Maximum Power Voltage -V _{mp} (V) | 31.9 | 30.1 | 32.1 | 30.3 | 32.3 | 30.4 | 32.6 | 30.7 |
| Maximum Power Current -I _{mp} (A) | 9.25 | 7.28 | 9.35 | 7.36 | 9.45 | 7.44 | 9.51 | 7.50 |
| Module Efficiency STC-η _m (%) | 18.13 | | 18.44 | | 18.75 | | 19.05 | |
| Power Tolerance (W) | (0,+4.99) | | | | | | | |
| Maximum System Voltage (V) | 1000 (TÜV) | | | | | | | |
| Maximum Series Fuse Rating (A) | 20 | | | | | | | |
| Pmax Temperature Coefficient | -0.40%/°C | | | | | | | |
| Voc Temperature Coefficient | -0.32 %/°C | | | | | | | |
| Isc Temperature Coefficient | +0.05 %/°C | | | | | | | |
| Operating Temperature | -40~+85 °C | | | | | | | |
| Nominal Operating Cell Temperature | 45±2 °C | | | | | | | |

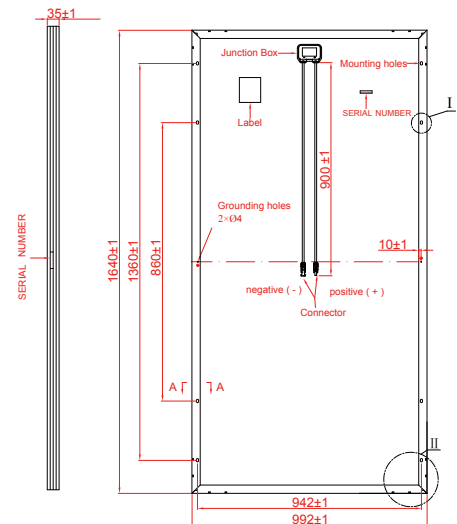
STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

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

Curve



Technical drawing

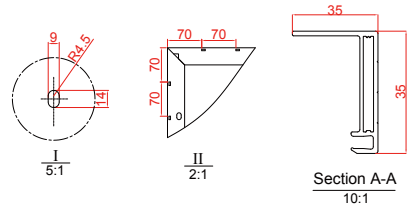


Mechanical Specifications

| | |
|--------------------|--|
| External Dimension | 1640 x 992 x 35mm |
| Weight | 17.5kg |
| Solar Cells | PERC Mono crystalline 156.75 x 156.75 mm (60pcs) |
| Glass of Both Side | 3.2 mm tempered glass, low iron |
| Frame | Anodized aluminium alloy |
| Junction Box | IP67 |
| Output Cables | 4.0 mm ² , cable length:900 mm |
| Connector | MC4 Compatible |
| Mechanical Load | 5400 Pa |

Packing Configuration

| | | |
|-----------------------|-------------------|-------|
| External Dimension | 1640 x 992 x 35mm | |
| Container | 20'GP | 40'GP |
| Pieces per Pallet | 30 | 30 |
| Pallets per Container | 12 | 28 |
| Pieces per Container | 360 | 840 |



* All Dimensions in mm

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