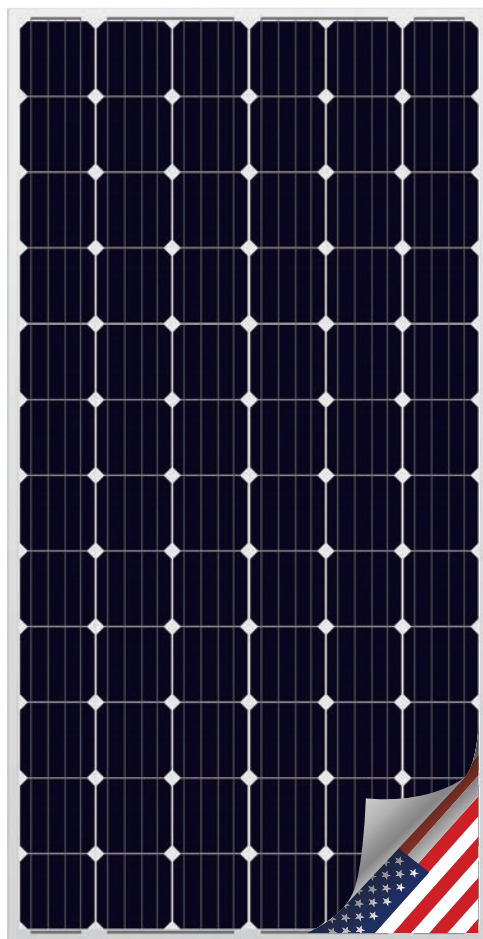


# 340-360<sub>w</sub>



## 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

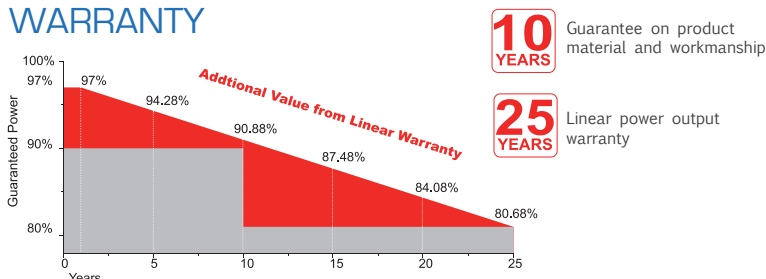
**ISO 14001:** Standard for environmental management system

**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<sub>W</sub>

### Electrical Characteristics (STC)

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

STC: Irradiance 1000 W/m<sup>2</sup> 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 <sub>mp</sub> (W)	252	256	260	263	267
Open Circuit Voltage - V <sub>oc</sub> (V)	43.00	43.20	43.40	43.60	43.80
Short Circuit Current - I <sub>sc</sub> (A)	7.59	7.68	7.68	7.75	7.84
Maximum Power Voltage - V <sub>mp</sub> (V)	35.50	35.60	35.8	35.90	36.10
Maximum Power Current - I <sub>mp</sub> (A)	7.10	7.19	7.27	7.33	7.40

NOCT: Irradiance 800 W/m<sup>2</sup> ambient temperature 20°C wind speed: 1m/s;  
Power measurement tolerance: +/-3%

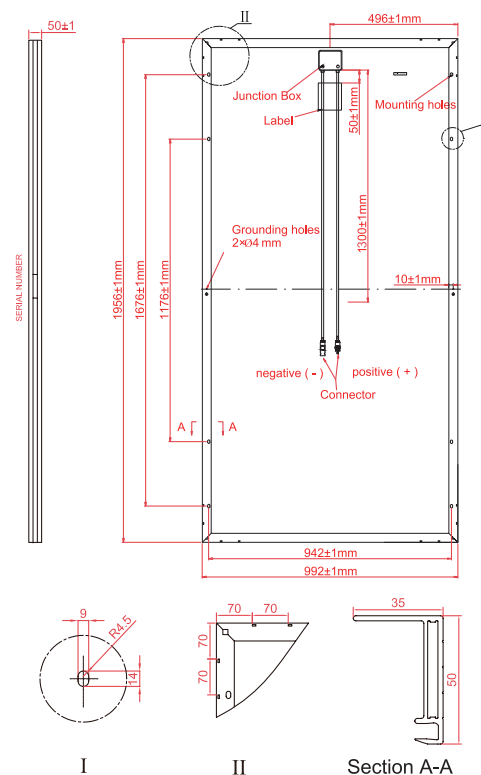
Power Tolerance (W)	(0,+4.99)
Maximum System Voltage (V)	1000 (TÜV), 1000 (UL)
Maximum Series Fuse Rating (A)	20

### Temperature Characteristics

P <sub>max</sub> Temperature Coefficient	-0.40 %/°C
V <sub>oc</sub> Temperature Coefficient	-0.32 %/°C
I <sub>sc</sub> 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, low iron, AR coating	3.2 mm tempered, low iron, AR coating
Frame	Anodized aluminum alloy	Anodized aluminum alloy
Junction Box	IP67	IP67
Output Cables	4.0 mm <sup>2</sup> , cable length: 1300 mm	4.0 mm <sup>2</sup> , 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)

