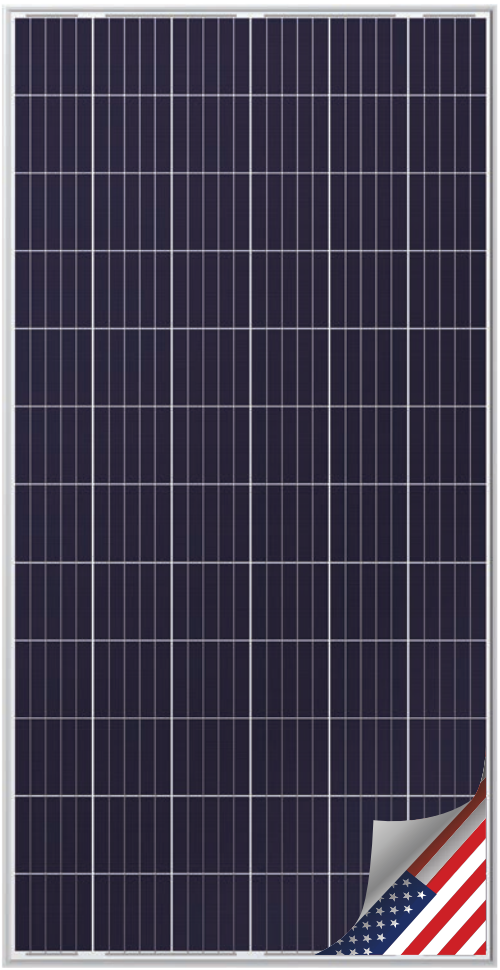
SRP-6PA | SERIES | 6 INCH 72 CELLS

315-330W

SERAPHIM®
SOLAR USA MANUFACTURING



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

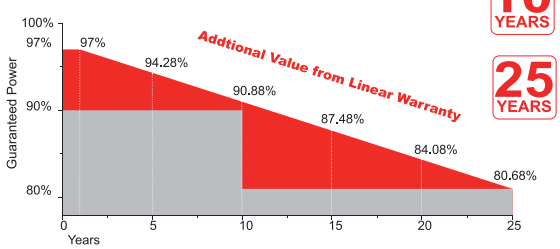
ISO 9001: Quality management system

ISO 14001: Standard for environmental management system

OHSAS 18001: International standard for occupational health and safety assessment system

PRODUCT CERTIFICATES

WARRANTY



10 YEARS Guarantee on product material and workmanship

25 YEARS Linear power output 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

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SRP-6PA SERIES 6 INCH 72 CELLS

B W

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

315-330W

Electrical Characteristics (STC)

Module Type	SRP-315-6PA	SRP-320-6PA	SRP-325-6PA	SRP-330-6PA
Maximum Power STC - Pmp (W)	315	320	325	330
Open Circuit Voltage - Voc (V)	45.30	45.50	45.70	45.90
Short Circuit Current - Isc (A)	8.87	8.96	9.03	9.12
Maximum Power Voltage - Vmp (V)	36.80	37.00	37.30	37.50
Maximum Power Current - Imp (A)	8.56	8.65	8.72	8.80
Module Efficiency STC - ηm (%)	16.23	16.49	16.75	17.01

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

Electrical Characteristics (NOCT)

Module Type	SRP-315-6PA	SRP-320-6PA	SRP-325-6PA	SRP-330-6PA
Maximum Power NOCT - Pmp (W)	233	236	240	244
Open Circuit Voltage - Voc (V)	41.90	42.00	42.20	42.40
Short Circuit Current - Isc (A)	7.17	7.24	7.30	7.37
Maximum Power Voltage - Vmp (V)	34.40	34.60	34.80	35.00
Maximum Power Current - Imp (A)	6.77	6.83	6.89	6.98

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

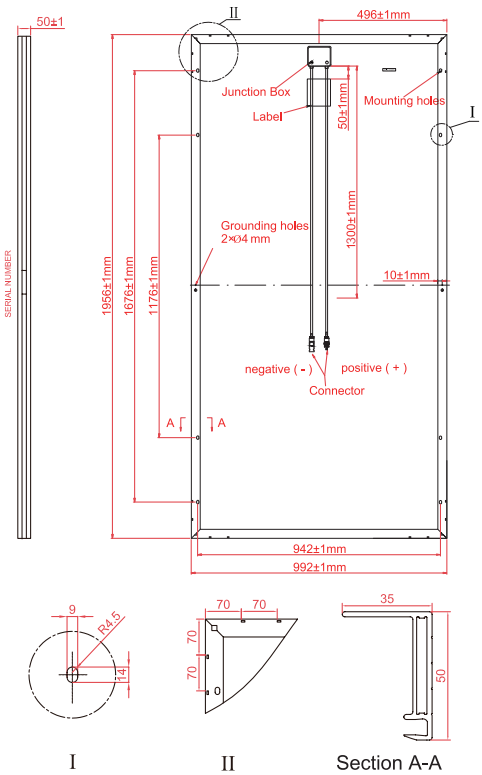
Power Tolerance (W)	(0,+4.99)
Maximum System Voltage (V)	1000 (TÜV), 1000 (UL)
Maximum Series Fuse Rating (A)	15

Temperature Characteristics

Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc 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	Polycrystalline 156 x 156 mm (72pcs)	Polycrystalline 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 mm², cable length: 1300 mm	4.0 mm², 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-6PA)