

330-345<sub>W</sub>



**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

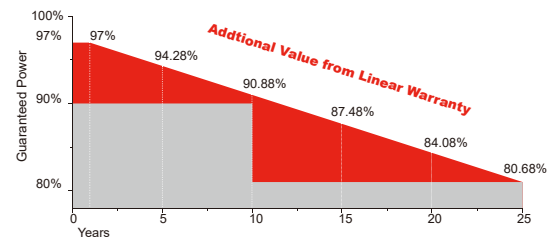
**PRODUCT CERTIFICATES**



**INSURANCE**



**WARRANTY**



**10 YEARS** Guarantee on product material and workmanship | **25 YEARS** linear power output warranty

**S**afety

- 1500V** Withstand and applicable up to 1500V high system voltage
- NEW -IEC-** Tested and certified according to newest IEC standard IEC61730-1:2016 IEC61730-2:2016
- G** Class C fire safety class

**R**eliability

- NEW -IEC-** Tested and certified according to newest IEC standard IEC61215:2016
- 1<sup>st</sup>** World 1st company to pass "Thresher Test" and "On-site Power Measurement Validation" certificate
- \$/€** Bankable products

**P**erformance

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

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# SRP-6MA-HV SERIES 6 INCH 72 CELLS



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

## Electrical Characteristics(STC)

Module Type	SRP-330-6MA-HV	SRP-335-6MA-HV	SRP-340-6MA-HV	SRP-345-6MA-HV
Maximum Power at STC - $P_{mp}$ (W)	330	335	340	345
Open Circuit Voltage - $V_{oc}$ (V)	46.1	46.4	46.6	46.8
Short Circuit Current - $I_{sc}$ (A)	9.14	9.23	9.32	9.43
Maximum Power Voltage - $V_{mp}$ (V)	37.3	37.5	37.7	37.9
Maximum Power Current - $I_{mp}$ (A)	8.85	8.94	9.02	9.11
Module Efficiency STC- $\eta_m$ (%)	16.89	17.14	17.40	17.65

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-330-6MA-HV	SRP-335-6MA-HV	SRP-340-6MA-HV	SRP-345-6MA-HV
Maximum Power at NOCT - $P_{mp}$ (W)	245	249	252	256
Open Circuit Voltage - $V_{oc}$ (V)	42.6	42.8	43	43.2
Short Circuit Current - $I_{sc}$ (A)	7.45	7.53	7.59	7.68
Maximum Power Voltage - $V_{mp}$ (V)	35.2	35.3	35.5	35.6
Maximum Power Current - $I_{mp}$ (A)	6.96	7.05	7.10	7.19

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)	1500 (TÜV)
Maximum Series Fuse Rating (A)	20

## Temperature Characteristics

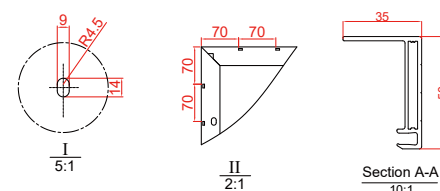
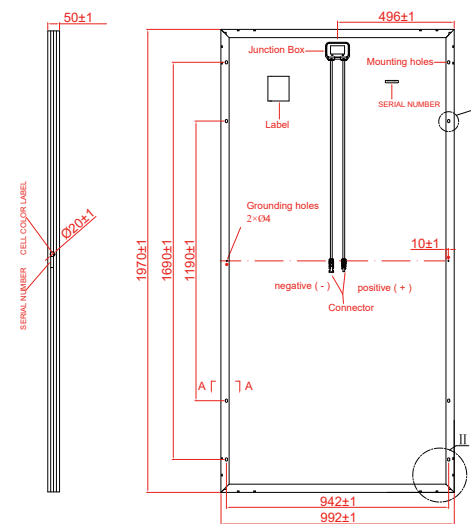
Pmax Temperature Coefficient	-0.40 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

## Packing Configuration

	1970 x 992 x 50mm	
Container	20'GP	40'GP
Pieces per Pallet	21	21
Pallets per Container	10	22
Pieces per Container	210	462

## Mechanical Specifications

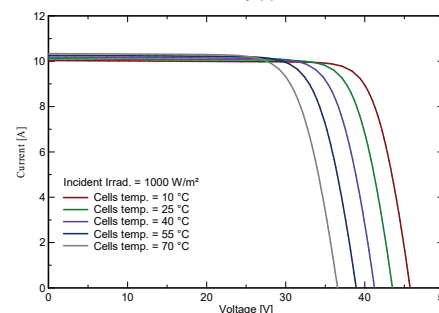
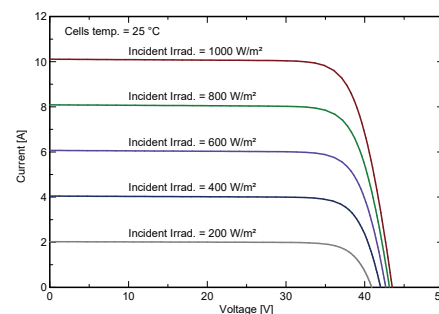
External Dimensions	1970 x 992 x 50 mm
Weight	24 kg
Solar Cells	Mono crystalline 156.75 x 156.75 mm (72pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67
Output Cables	4.0 mm <sup>2</sup> ,cable length:1100 mm
Connector	MC4 compatible
Mechanical Load	5400 Pa



\* All Dimensions in mm

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

## I-V Curve(SRP-330-6MA)



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