

280-300_w



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

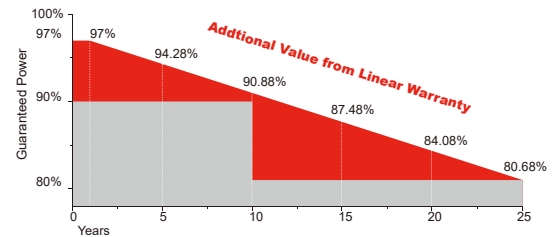
PRODUCT CERTIFICATES



INSURANCE



WARRANTY



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

Safety

- 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

Reliability

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

Performance

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

Specifications are subject to change without further notification SRP-DS-EN-2017V1.0 © Copyright 2017 Seraphim

SRP-6MB-HV SERIES 6 INCH 60 CELLS



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

Electrical Characteristics(STC)

Module Type	SRP-280-6MB-HV	SRP-285-6MB-HV	SRP-290-6MB-HV	SRP-295-6MB-HV	SRP-300-6MB-HV
Maximum Power at STC - P_{mp} (W)	280	285	290	295	300
Open Circuit Voltage - V_{oc} (V)	38.9	39.1	39.3	39.5	39.7
Short Circuit Current - I_{sc} (A)	9.22	9.33	9.44	9.56	9.65
Maximum Power Voltage - V_{mp} (V)	31.3	31.5	31.7	31.9	32.1
Maximum Power Current - I_{mp} (A)	8.95	9.05	9.15	9.25	9.35
Module Efficiency STC- η_m (%)	17.11	17.41	17.72	18.02	18.33

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

Electrical Characteristics(NOCT)

Module Type	SRP-280-6MB-HV	SRP-285-6MB-HV	SRP-290-6MB-HV	SRP-295-6MB-HV	SRP-300-6MB-HV
Maximum Power at NOCT - P_{mp} (W)	208	212	215	219	223
Open Circuit Voltage - V_{oc} (V)	36.0	36.2	36.3	36.5	36.7
Short Circuit Current - I_{sc} (A)	7.45	7.54	7.63	7.73	7.82
Maximum Power Voltage - V_{mp} (V)	29.7	29.9	30.0	30.1	30.3
Maximum Power Current - I_{mp} (A)	7.01	7.09	7.17	7.28	7.36

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

Temperature Characteristics

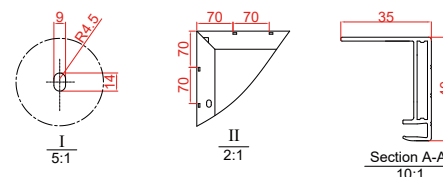
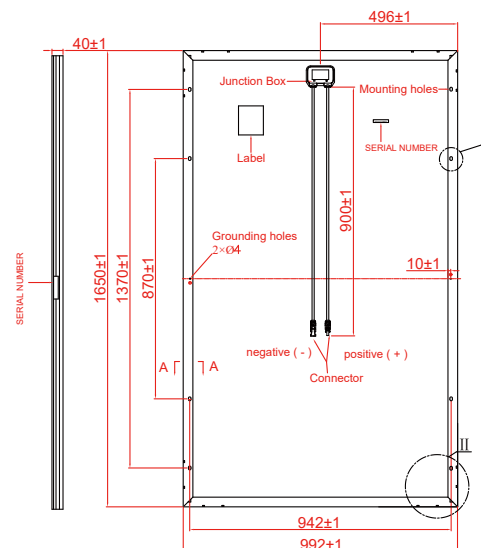
Pmax Temperature Coefficient	-0.40 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

Packing Configuration

	1650 x 992 x 40mm	
Container	20'GP	40'GP
Pieces per Pallet	26	26
Pallets per Container	12	28
Pieces per Container	312	728

Mechanical Specifications

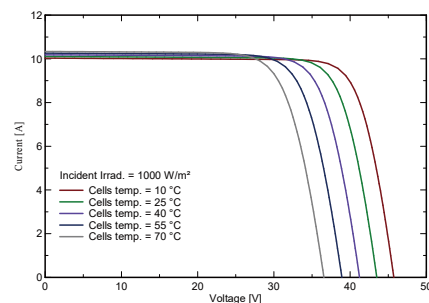
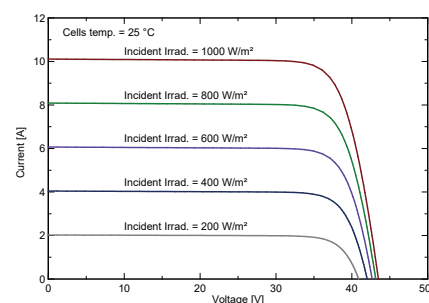
External Dimensions	1650 x 992 x 40 mm
Weight	19 kg
Solar Cells	Mono crystalline 156.75 x 156.75mm (60pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67
Output Cables	4.0 mm ² , cable length: 900 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa



* 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-280-6MB-HV)



Specifications are subject to change without further notification SRP-DS-EN-2017V1.0 © Copyright 2017Seraphim