-HV

SRP-XXX-6MB: Maximum System Voltage 1000 VDC.

SRP-XXX-6MB-HV: Maximum System Voltage 1500 VDC.

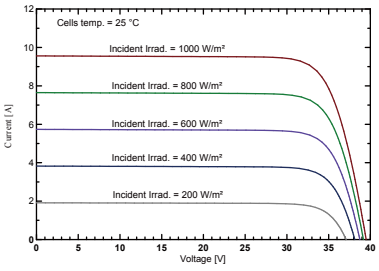
SRP-6MB(-HV) SERIES 6 INCH 60 CELLS

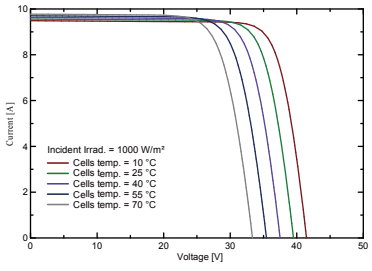
Electrical Characteristics

Module Type	SRP-295-6MB SRP-295-6MB-HV		SRP-300-6MB SRP-300-6MB-HV		SRP-305-6MB SRP-305-6MB-HV		SRP-310-6MB SRP-310-6MB-HV	
	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 (%)	18.13/18.02		18.44/18.33		18.75/18.64		19.05/18.94	
Power Tolerance（W）	(0,+4.99)							
Maximum System Voltage (V)	1000VDC / 1500VDC							
Maximum Series Fuse Rating (A)	20A							
Pmax Temperature Coefficient	-0.38%/°C							
Voc Temperature Coefficient	-0.28 %/°C							
Isc Temperature Coefficient	+0.05 %/°C							
Operating Temperature	-40~+85 °C							
Nominal Operating Cell Temperature	45±2 °C							

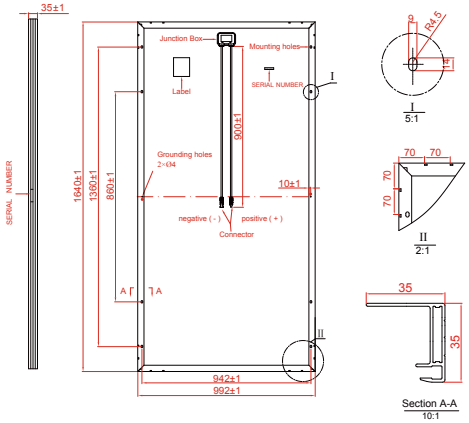
STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
NOCT: Irradiance 800 W/m² ambient temperature 20°C wind speed :1m/s Power measurement tolerance: +/-3%

Curve





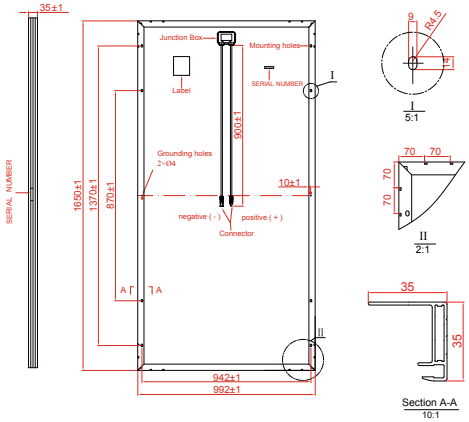
Technical drawing(SRP-XXX-6MB)



Mechanical Specifications

External Dimension	1640 x 992 x 35mm/1650 x 992 x 35mm
Weight	17.5kg/18.0kg
Solar Cells	Mono crystalline 156.75 x 156.75 mm (60pcs)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67
Output Cables	4.0 mm²,cable length:900 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa

Technical drawing(SRP-XXX-6MB-HV)



Packing Configuration

External Dimension	1640 x 992 x 35mm/1650 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.

SERAPHIM®

energreen
PRODUISONS L'ÉNERGIE RENOUVELABLE DE DEMAIN

www.energreen.be
Tel: 010 45 13 73
Fax: 010 45 90 73
info@energreen.be
Av. Lavoisier 13
1300 Wavre

SERAPHIM SOLAR SYSTEM CO., LTD.
www.seraphim-energy.com
info@seraphim-energy.com