

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

270-285W



Top rank in Photon yield measurement



Safety for salt mist corrosion
Safety for ammonia corrosion



Safety for fire risk
(Class C tested in TÜV SÜD and Rheinand)



Outstanding power output capability at low irradiance



Triple 100% Electroluminescence (EL) tests
minimize breakage rate

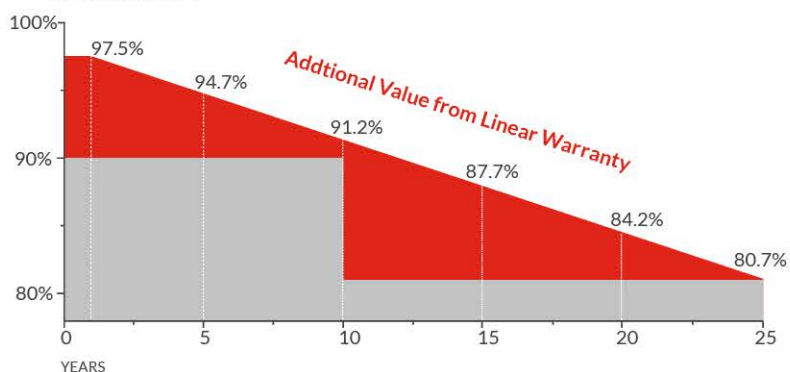
INSURANCE



PRODUCT CERTIFICATES



WARRANTY



Guarantee on product
material and workmanship



linear power
output warranty

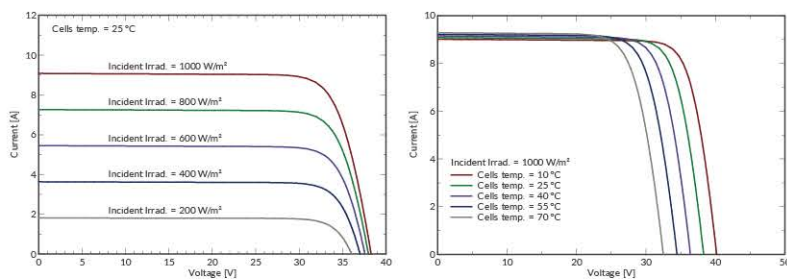
ELECTRICAL CHARACTERISTICS

Module Type	SRP-270-6PB SRP-270-6PB-HV		SRP-275-6PB SRP-275-6PB-HV		SRP-280-6PB SRP-280-6PB-HV		SRP-285-6PB SRP-285-6PB-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	270	200	275	204	280	208	285	212
Open Circuit Voltage -V _{oc} (V)	38.1	35.2	38.3	35.4	38.5	35.6	38.7	35.8
Short Circuit Current -I _{sc} (A)	8.99	7.26	9.08	7.35	9.18	7.44	9.27	7.53
Maximum Power Voltage -V _{mp} (V)	31.3	29.2	31.6	29.4	31.8	29.6	32.0	29.8
Maximum Power Current -I _{mp} (A)	8.63	6.85	8.71	6.94	8.81	7.03	8.91	7.12
Module Efficiency STC-η _m (%)	16.60/16.50		16.90/16.80		17.21/17.11		17.52/17.41	
Power Tolerance(W)	(0,+4.99)							
Maximum System Voltage (V)	1000VDC / 1500VDC							
Maximum Series Fuse Rating (A)	20A							
Pmax Temperature Coefficient	-0.36 %/°C							
Voc Temperature Coefficient	-0.30 %/°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%

I-V CURVE



MECHANICAL SPECIFICATIONS

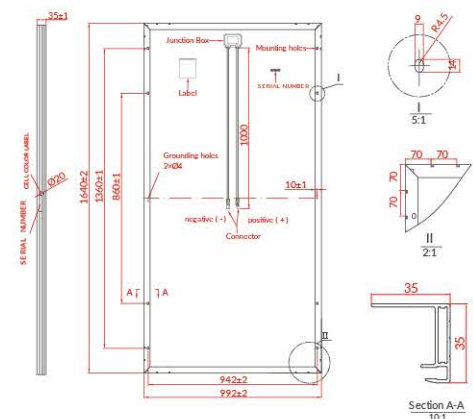
External Dimension	1640 x 992 x 35mm/1650 x 992 x 35mm
Weight	17.5kg/18.0kg
Solar Cells	Poly crystalline 156.75 x 156.75 mm (60pcs)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0 mm ² , cable length:1000 mm
Connector	MC4 Compatible
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

PACKING CONFIGURATION

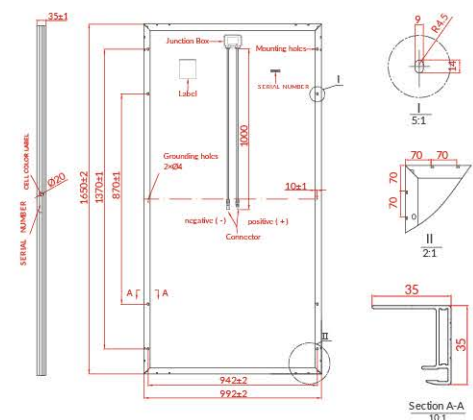
External Dimension	1640 x 992 x 35mm/1650 x 992 x 35mm		
Container	20'GP	40'GP	40'HQ
Pieces per Pallet	30	30	30+2*
Pallets per Container	12	28	28
Pieces per Container	360	840	896

* 30+2 pieces per pallet is the special package which only suits for container transport. For details, please consult SERAPHIM.

TECHNICAL DRAWING(SRP-XXX-6PB)



TECHNICAL DRAWING(SRP-XXX-6PB-HV)



* All Dimensions in mm.

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