

SRP-6MB SERIES 6 INCH 60 CELLS



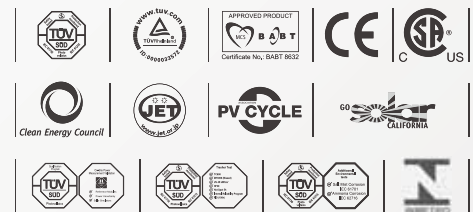
265-280<sub>W</sub>



### 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



### WARRANTY

**10 YEARS** guarantee on product material      **25 YEARS** linear power output warranty

### INSURANCE



## Safety

- Safety for salt mist corrosion (IEC61701, tested in Intertek)
- Safety for ammonia corrosion (IEC62716, tested in TÜV SÜD)
- Safety for fire risk (Class C, tested in TÜV SÜD and Rheinland)

## 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

- Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments
- 100% In-line Electroluminescence (EL) tested during production process ensures modules are high quality
- Top rank in Photon yield measurement

# SRP-6MB SERIES 6 INCH 60 CELLS

# 265-280<sub>W</sub>



**DuraFlex™**

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



## Electrical Characteristics

	SRP-265-6MB	SRP-270-6MB	SRP-275-6MB	SRP-280-6MB	Unit
Rated Power at STC (Pmp)	265	270	275	280	W
Power Tolerance	(0,+4.99)	(0,+4.99)	(0,+4.99)	(0,+4.99)	W
Maximum Power at STC	269.55	275.99	279.99	284.99	W
Minimum Module Efficiency (η <sub>m</sub> )	16.2	16.5	16.9	17.2	%
Open Circuit Voltage (Voc)	37.7	37.8	37.9	38.0	V
Short Circuit Current (Isc)	9.13	9.26	9.42	9.57	A
Maximum Power Voltage (Vmp)	31.7	31.9	32.0	32.1	V
Maximum Power Current (Imp)	8.36	8.47	8.60	8.73	A
Maximum System Voltage	1000 (TÜV), 600 (UL)				V
Maximum Series Fuse Rating	15				A

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25 °C AM=1.5;  
Power measurement tolerance: +/-3%

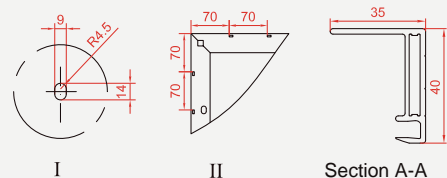
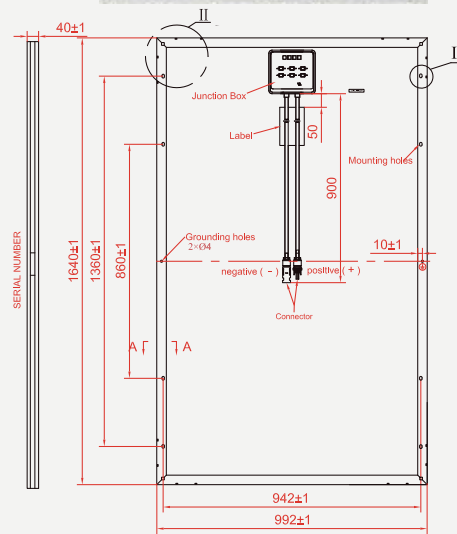
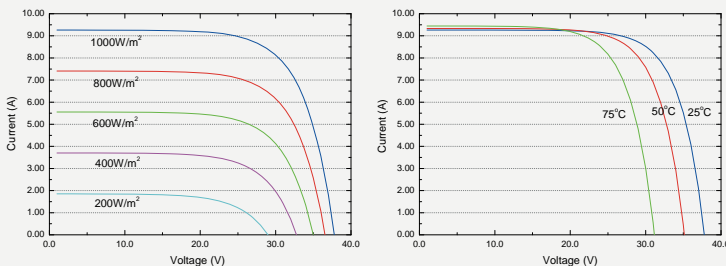
## Temperature Characteristics

Pmax Temperature Coefficient	-0.43 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.04 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

## Packing Configuration

Container	20'GP	40'GP	40'HC
Pieces per Pallet	26	26	N.A
Pallets per Container	12	28	N.A
Pieces per Container	312	728	N.A

## Current-Voltage & Power-Voltage Curve (SRP-270-6MB)



\* All Dimensions in mm

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

## Mechanical Specifications

External Dimensions	1640 x 992 x 40 mm
Weight	19.0 kg
Solar Cells	Monocrystalline 156 x 156 mm (60pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized/ Electrochromic aluminium alloy
Junction Box	IP65/IP67
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths 900 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa
Hailstone Impact Test	80 km/h for 25 mm ice ball