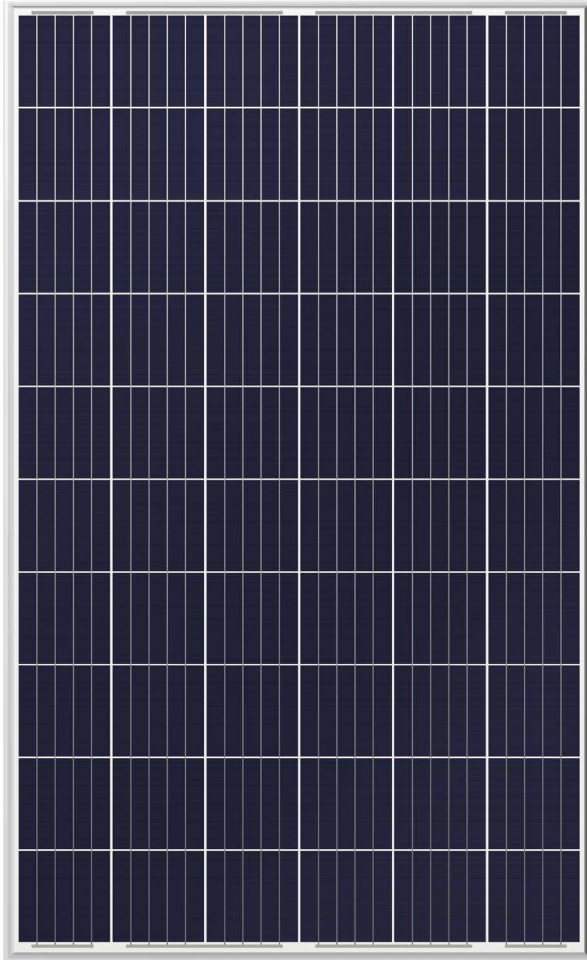


# 255-275<sub>W</sub>



## 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-6PB SERIES 6 INCH 60 CELLS

# 255-275<sub>W</sub>



**DuraFlex™**

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



## Electrical Characteristics

	SRP-255-6PB	SRP-260-6PB	SRP-265-6PB	SRP-270-6PB	SRP-275-6PB	Unit
Rated Power at STC (P <sub>mp</sub> )	255	260	265	270	275	W
Power Tolerance	(0,+4.99)	(0,+4.99)	(0,+4.99)	(0,+4.99)	(0,+4.99)	W
Maximum Power at STC	259.99	264.99	269.55	274.99	279.99	W
Minimum Module Efficiency (η <sub>m</sub> )	15.7	16.0	16.3	16.6	16.9	%
Open Circuit Voltage (V <sub>oc</sub> )	38.1	38.2	38.3	38.4	38.5	V
Short Circuit Current (I <sub>sc</sub> )	8.60	8.67	8.73	8.82	8.88	A
Maximum Power Voltage (V <sub>mp</sub> )	31.9	32.1	32.4	32.7	33.0	V
Maximum Power Current (I <sub>mp</sub> )	8.00	8.10	8.18	8.28	8.34	A
Maximum System Voltage	1000(TÜV), 600(UL)					V
Maximum Series Fuse Rating	15					A

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

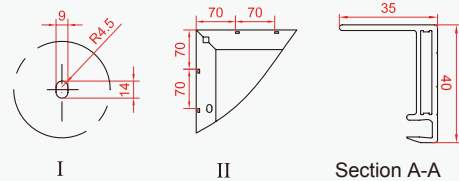
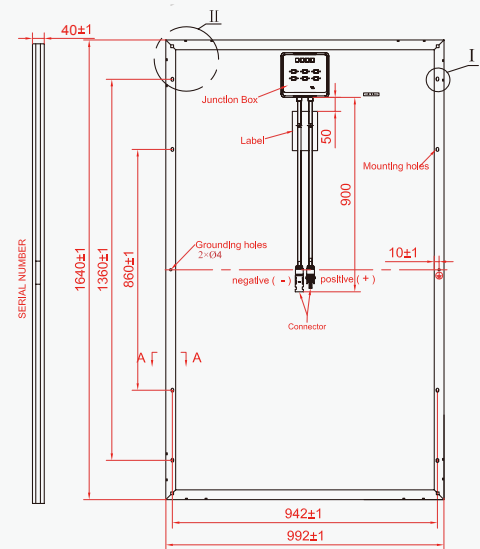
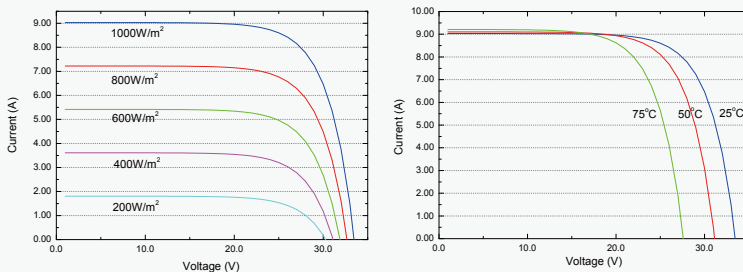
## Temperature Characteristics

P <sub>max</sub> Temperature Coefficient	-0.42%/°C
V <sub>oc</sub> Temperature Coefficient	-0.32%/°C
I <sub>sc</sub> 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-260-6PB)



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