

255-275_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

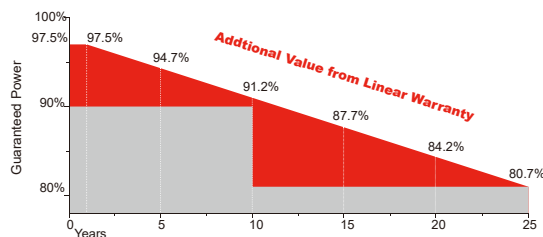
PRODUCT CERTIFICATES



INSURANCE



WARRANTY



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

Safety

- Safety for salt mist corrosion (IEC61701, tested in TÜV SÜD)
- 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

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

SRP-6PB SERIES 6 INCH 60 CELLS



DuraFlex™

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

Electrical Characteristics (STC)

Module Type	SRP-255-6PB	SRP-260-6PB	SRP-265-6PB	SRP-270-6PB	SRP-275-6PB
Maximum Power at STC - P_{mp} (W)	255	260	265	270	275
Open Circuit Voltage - V_{oc} (V)	38.10	38.20	38.30	38.40	38.50
Short Circuit Current - I_{sc} (A)	8.60	8.67	8.73	8.82	8.88
Maximum Power Voltage - V_{mp} (V)	31.90	32.10	32.40	32.70	33.00
Maximum Power Current - I_{mp} (A)	8.00	8.10	8.18	8.28	8.34
Module Efficiency STC- η_m (%)	15.67	15.98	16.29	16.59	16.90

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
Power measurement tolerance: +/-3%

Electrical Characteristics (NOCT)

Module Type	SRP-255-6PB	SRP-260-6PB	SRP-265-6PB	SRP-270-6PB	SRP-275-6PB
Maximum Power at STC - P_{mp} (W)	188	192	195	199	203
Open Circuit Voltage - V_{oc} (V)	35.24	35.34	35.42	35.52	35.61
Short Circuit Current - I_{sc} (A)	6.88	6.93	6.98	7.06	7.10
Maximum Power Voltage - V_{mp} (V)	29.67	29.85	30.12	30.41	30.69
Maximum Power Current - I_{mp} (A)	6.34	6.43	6.47	6.54	6.61

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)	1000 (TÜV), 1000 (UL)
Maximum Series Fuse Rating (A)	15

Temperature Characteristics

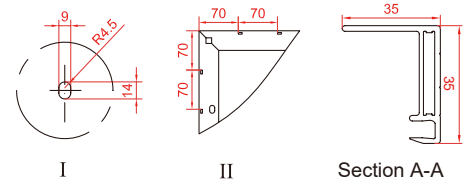
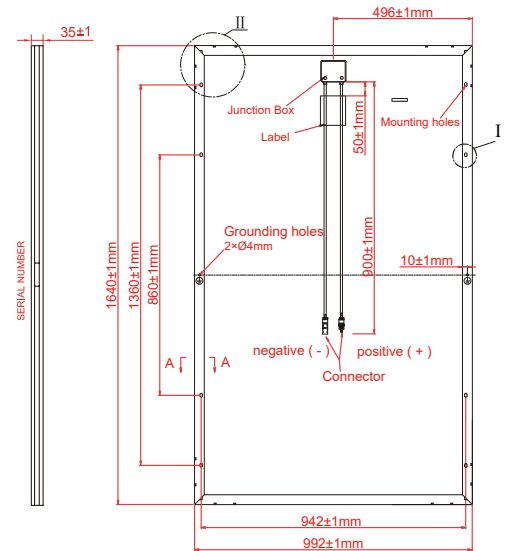
Pmax Temperature Coefficient	-0.42 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.04 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

Packing Configuration

Container	20'GP	40'GP
Pieces per Pallet	30	30
Pallets per Container	12	28
Pieces per Container	360	840

Mechanical Specifications

External Dimensions	1640 x 992 x 35 mm
Weight	19.0 kg
Solar Cells	Poly crystalline 156 x 156 mm (60pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP65/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&P-V Curve (SRP-260-6PB)

