

a GLASS

- High light transmission giving more electricity.
- Excellent mechanical loading performance (5400 Pascal)
- SPF-U1 certified

b d EVA

- High light transmission assuring better power performance
- High GEL and peeling strength guarantying strong encapsulation
- Good Ultraviolet aging resistance
- TUV/UL certified

c CELL

- Excellent efficiency and long term reliability
- Good performance under high temperature and low irradiance conditions
- 100% In-line Electroluminescence (EL) tested
- Positive tolerance for each panel
- TUV certified

e BACKSHEET

- TEDLAR based encapsulation and protection
- Good aging resistance guarantying strong durability performance
- Excellent adhesion and ultraviolet stability
- TUV/UL certified

f FRAME

- Anodized/ Electrochromic aluminum means durable protection from environment
- Unique designed profile ensuring strong mechanical loading performance
- Silver/Black color available

g JUNCTION BOX

- Reliable by-pass diodes assuring good product protection
- Locking connector working compatible worldwide
- Excellent heat emission performance
- IP65 or IP67 protection
- TUV/UL certified



Electrical Characteristics

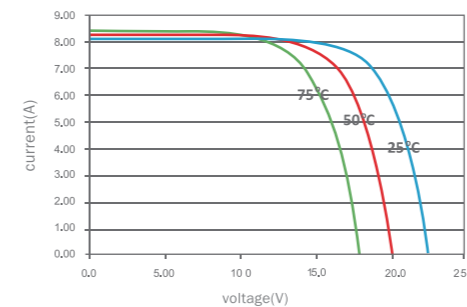
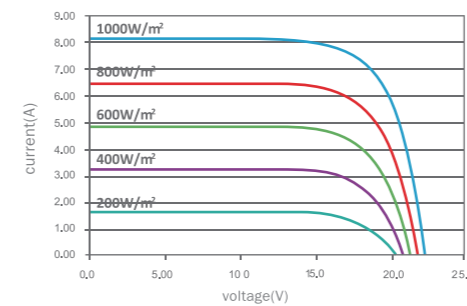
	SRP-125-6PD	SRP-130-6PD	SRP-135-6PD	SRP-140-6PD	Unit
Rated Power (Pmp)	125	130	135	140	W
Power Tolerance	(0,+4.99)	(0,+4.99)	(0,+4.99)	(0,+4.99)	W
Power, max	129.99	134.99	139.99	144.99	W
Cell Efficiency (η_c)	14.8~15.3	15.3~15.9	15.9~16.5	16.5~17.1	%
Minum Module Efficiency (η_m)	12.5	13.0	13.5	14.0	%
Maximum Power Voltage (Vmp)	18.00	18.00	18.00	18.50	V
Maximum Power Current (Imp)	6.94	7.22	7.50	7.57	A
Open Circuit Voltage (Voc)	22.70	22.70	22.70	23.30	V
Short Circuit Current (Isc)	8.06	8.38	8.63	8.78	A
Maximum System Voltage	1000 (TUV); 600 (UL)				V
Maximum Series Fuse Rating	15				A

Standard Testing Condition : Irradiance 1000 W/m² , module temperature 25 °C, AM=1.5

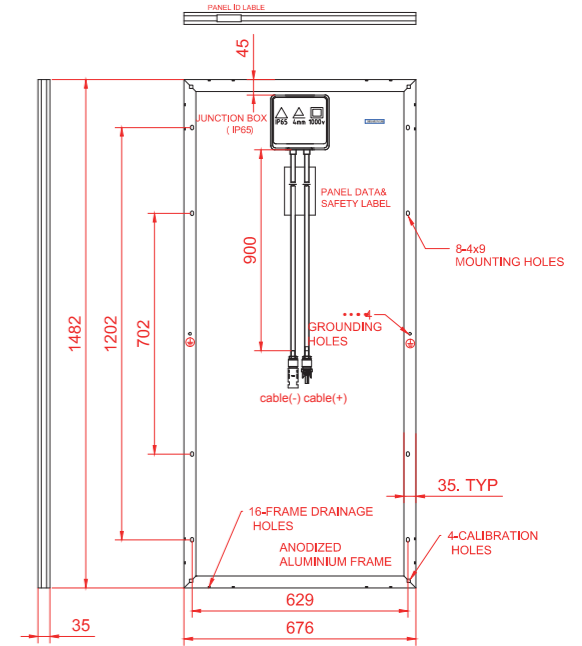
Temperature Characteristics

Pmax Temperature Coefficient	-0.42%/°C
Voc Temperature Coefficient	-0.30%/°C
Isc Temperature Coefficient	+0.08%/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Current-Voltage & Power-Voltage Curve (SRP-140-6PD)



ELECTRICAL EQUIPMENT
READ INSTALLATION MANUAL FIRST



* 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	1482 x 676 x 35 mm
Weight	12 kg
Solar Cells	Polycrystalline 156mmx156mm (36pcs)
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized/ Electrochromic aluminium alloy
Junction Box	IP65/IP67
Output Cables	4.0 mm ² , symmetrical lengths 900 mm
Connector	MC4 Compatible
Maximum Snow Load	550 kg/m ²
Maximum Wind Load	200 km/h
Hailstone Impact Test	80 km/h for 25 mm ice ball

Packing Configuration

Container	20'GP	40'GP	40'HC
Pieces per Pallet	26	26	29
Pallets per Container	14	30	30
Pieces per Container	364	780	870

Warranty

- Up to +4.99W power tolerance of each panel
- 12 years guaranteed in 90 % minimum power output
- 10 years guaranteed in product material
- 25 years guaranteed in 80 % minimum power output

Insurance

Product material and performance are insured with Product Liability and Financial Injury Liability Insurance

