

SERAPHIM MODULE

255W

6MB SERIES

High Performance
Solar Modules

DuraFlex™



6MB

Electrical Characteristics

	SRP-240-6MB	SRP-245-6MB	SRP-250-6MB	SRP-255-6MB	Unit
Rated Power at STC (Pmp)	240	245	250	255	W
Power Tolerance	(0,+4.99)	(0,+4.99)	(0,+4.99)	(0,+4.99)	W
Power Maximum at STC	244.99	249.99	254.99	259.99	W
Cell Efficiency (η_c)	17.3~17.6	17.6~18.0	18.0~18.4	18.4~18.7	%
Minmum Module Efficiency (η_m)	14.7~15.0	15.0~15.4	15.4~15.7	15.7~16.0	%
Open Circuit Voltage (Voc)	37.2	37.3	37.4	37.5	V
Short Circuit Current (Isc)	8.53	8.70	8.85	9.00	A
Maximum Power Voltage (Vmp)	30.1	30.1	30.2	30.3	V
Maximum Power Current (Imp)	7.99	8.14	8.29	8.43	A
Maximum System Voltage	1000 (TUV), 600 (UL)				V
Maximum Series Fuse Rating	15				A

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

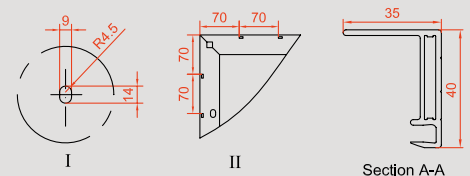
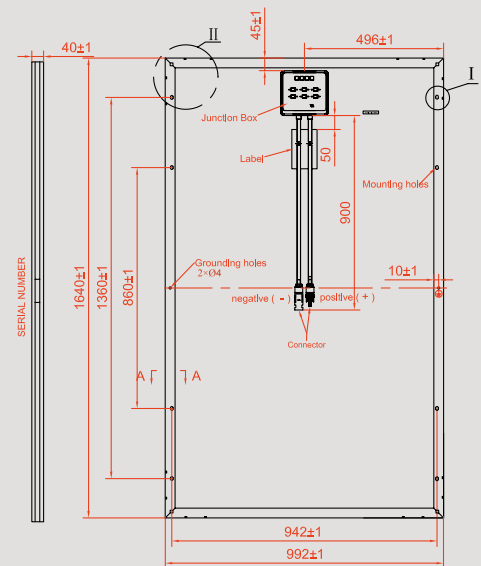
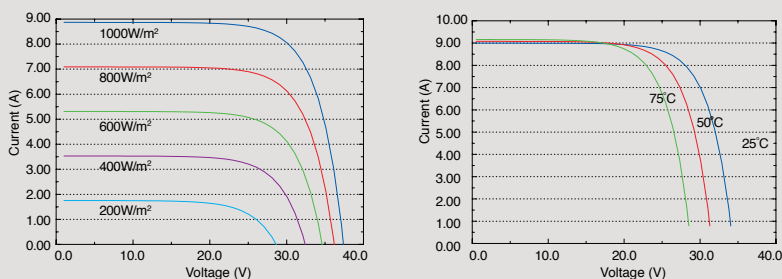
Temperature Characteristics

Pmax Temperature Coefficient	-0.43 %/°C
Voc Temperature Coefficient	-0.35 %/°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-250-6MB)



* 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	19.0kg
Solar Cells	Monocrystalline 156 x 156mm (60pcs)
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized/ Electrophoretic aluminum alloy
Junction Box	IP65/IP67
Output Cables	4.0 mm ² , symmetrical lengths 900mm
Connector	MC4 Compatible
Maximum Snow Load	550kg/m ²
Maximum Wind Load	200km/h
Hailstone Impact Test	80km/h for 25mm ice ball