SRP-(325-340)-6PA-HV

Electrical Characteristics(STC)

Module Type	SRP-325-6PA-HV	SRP-330-6PA-HV	SRP-335-6PA-HV	SRP-340-6PA-HV
Maximum Power at STC -P_{mp} (W)	325	330	335	340
Open Circuit Voltage -V_{oc} (V)	45.7	45.9	46.2	46.4
Short Circuit Current -I_{sc} (A)	9.03	9.12	9.20	9.30
Maximum Power Voltage -V_{mp} (V)	37.3	37.5	37.7	37.9
Maximum Power Current -I_{mp} (A)	8.72	8.80	8.89	8.98
Module Efficiency STC-η_m (%)	16.63	16.89	17.14	17.40
Optimizer Max.Output Voltage (V)	40.9			
Power Tolerance（W）	(0,+4.99)			
Maximum System Voltage (V)	1500			
Maximum Series Fuse Rating (A)	15			

Temperature Characteristics

Pmax Temperature Coefficient	-0.39 %/°C
Voc Temperature Coefficient	-0.30 %/°C(0%/°C at voltage limiting)
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

Packing Configuration

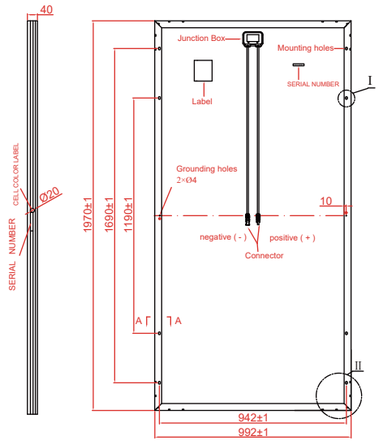
	1970 x 992 x 40 mm		
Container	20'GP	40'GP	40'HQ
Pieces per Pallet	27	27	27+2*
Pallets per Container	10	22	22
Pieces per Container	270	594	638

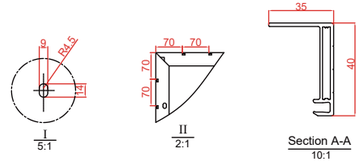
* 27+2 pieces per pallet is the special package which only suits for container transport.For details,please consult SERAPHIM.

Mechanical Specifications

External Dimensions	1970 x 992 x 40 mm
Weight	22.0 kg
Solar Cells	Poly crystalline 6 inch(72pcs)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	4 mm2 ,cable length:1200 mm
Connector	MC4 Compatible

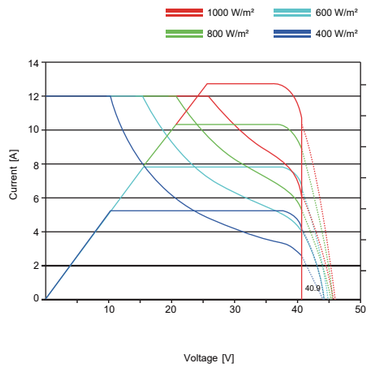
STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5
NOCT: Irradiance 800 W/m², ambient temperature 20°C, wind speed :1m/s
Specifications are subject to change without further notification.





* All Dimensions in mm
* The above drawing is a graphical representation of the product.

I-V CURVE (MPPT MODE)



Optimized by maxim integrated.
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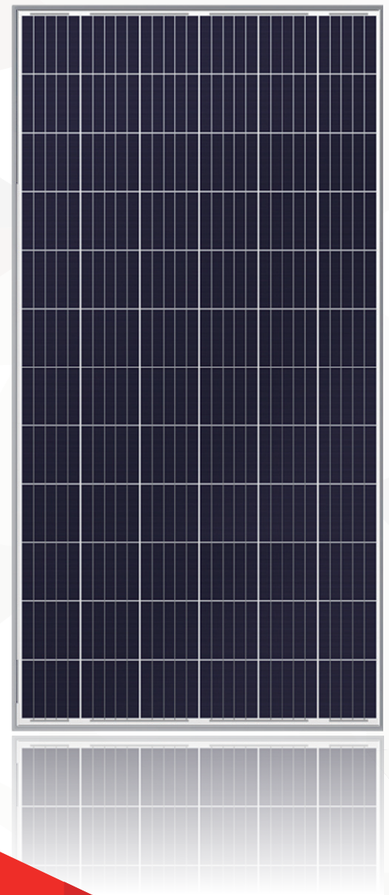
SERAPHIM®



SERAPHIM MX 1500V

SRP-(325-340)-6PA-HV

SERAPHIM MX

SRP-(325-340)-6PA-HV

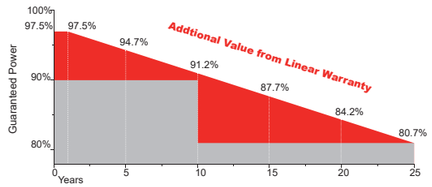
MANAGEMENT SYSTEM

ISO 9001: Quality management system

ISO 14001: Standard for environmental management system

OHSAS 18001: International standard for occupational health and safety assessment system

WARRANTY



10 YEARS — Guarantee on product material and workmanship

25 YEARS — Linear power output warranty

Optimized by maxim integrated.

Provide flexibility to system design

Allows 20~35% more modulesper string saving BoS cost

Advanced

Higher power density

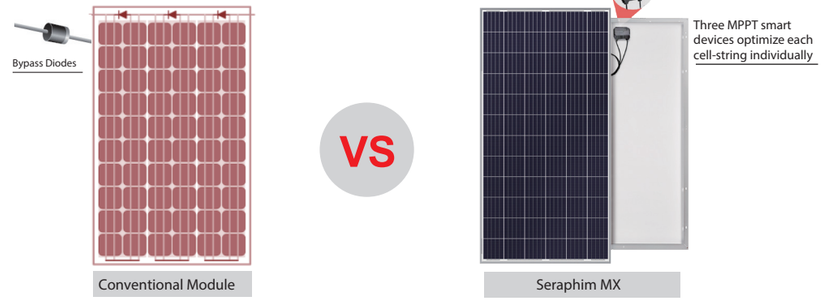
Enhanced energy harvest

1500V

Withstand and applicable up to 1500V high system voltage

Reduced shading effect
Prevent Hot-spot

Comparing with conventional product, Seraphim integrated cell-string level optimizer into solar panel and redesigned the module. Trying best to provide advaced smart solution to customers, and improve performance &reliability of the solar panels.

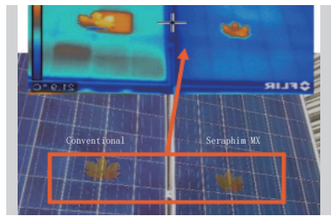


Under any condition, the Seraphim MX can optimize power output to enhance energy harvest. However, conventional modules or panel optimizer product will bypass cell-strings When they underperform. So seraphim MX will give higher energy prodution,eliminate hot-spots issues.

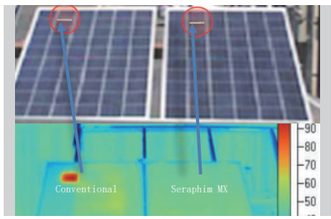
Conventional Module or Panel Optimizer
175W=90W+90W-5W

Seraphim MX
225W=90W+90W+45W

Seraphim MX reduces the shading effect significantly, prevents hot-spot formation, and eliminates diode failures. In the meantime, it will lower Operation and Maintenance costs.



Leaf thermal test



IEC hot-spot test

Nearby Shading,
Soiling and inter-row shading

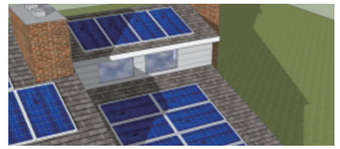
Seraphim MX enables flexible PV system design. Best performance with easiest installation.

Combine strings of differentlength

i.e. 10 panels in parallel with 12:
+5% energy increase1

Series connect panels facing different directions

i.e. 10 East panels in series with West panels:
+12% energy increase1



Series connect panels facing different tilts

i.e. 10 panels in series with 25panels:
+1.6% energy increase1

Note: From simulations of PV System in San Jose, CA