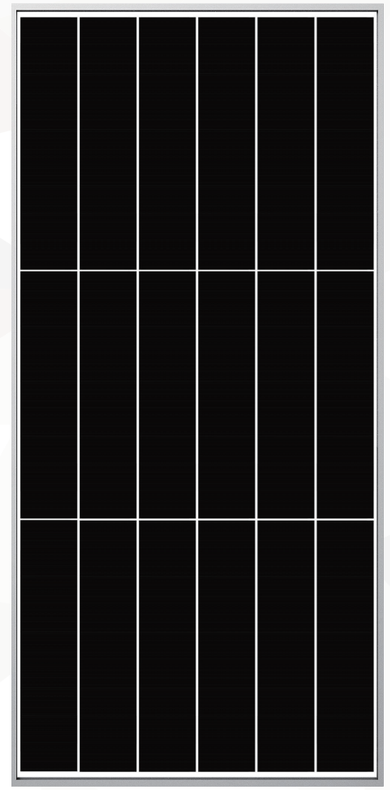
SERAPHIM®

SHIFTING · THE FUTURE

info@seraphim-energy.com www.seraphim-energy.com



Eclipse Module

425W-440W

BEHIND THE ECLIPSE

We challenged ourselves to push the boundaries of PV technology and pioneer new innovations in solar module design. The design of the Eclipse module takes into consideration every element that defines a perfect solar module. The culmination of our efforts is a module that is superior in performance, reliability, safety, and value.

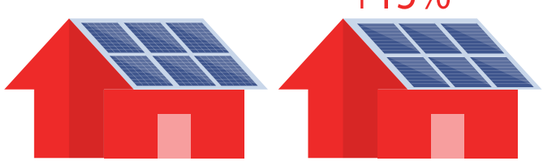
SERAPHIM®

Eclipse SRP-E6A(-HV)

Eclipse SRP-E6A(-HV)

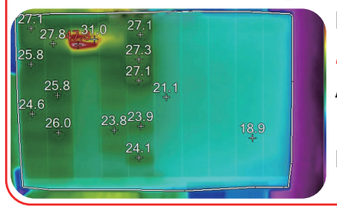
The Eclipse module takes advantage of Seraphim's innovative module technology, using traditional solar cells to increase efficiency and reliability while reducing BOS cost. The Eclipse module bridges the gap between functionality and design, providing an elegant solution to all your solar energy needs.

15% Greater Return on Projects



Significantly Reduced Hot-Spot Effect

Temperature after shading test (at 5hrs, in °C)

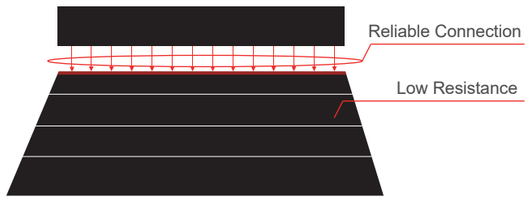


Maximum Temp
47.3°C
Average Temp
23.9°C
Minimum Temp
15.6°C

10% Reduction in BOS and Installation Cost



Improved Reliability and Durability



More Benefits

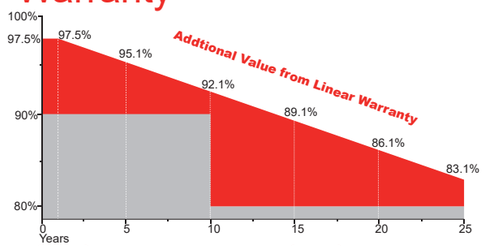
- Better performance under shade
- Beautifully designed
- 5400Pa Mechanical Load

Certifications

Insurances

PICC

Warranty



10 YEARS Guarantee on product material and workmanship

25 YEARS linear power output warranty

Electrical Characteristics

Module type	SRP-425-E6A-HV		SRP-430-E6A-HV		SRP-435-E6A-HV		SRP-440-E6A-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmp)	425	316	430	320	435	324	440	328
Open Circuit Voltage (Voc)	55.1	51.2	55.3	51.4	55.5	51.6	55.7	51.8
Short Circuit Current (Isc)	9.84	7.95	9.91	8.01	9.97	8.07	10.04	8.13
Maximum Power Voltage (Vmp)	46.0	42.3	46.2	42.5	46.4	42.7	46.6	42.9
Maximum Power Current (Imp)	9.24	7.48	9.32	7.54	9.38	7.60	9.45	7.66
Module Efficiency at STC(ηm)	20.10		20.34		20.57		20.81	
Power Tolerance	(0,+4.99)							
Maximum System Voltage	1500 VDC							
Maximum Series Fuse Rating	20A							

STC: Irradiance 1000 W/m2 module temperature 25°C AM=1.5,Power measurement tolerance: +/-3%;
NOCT: Irradiance 800 W/m2 ambient temperature 20°C wind speed :1m/s Power measurement tolerance: +/-3%

Temperature Characteristics

Pmax Temperature Coefficient	-0.36 %/°C
Voc Temperature Coefficient	-0.28 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40～+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

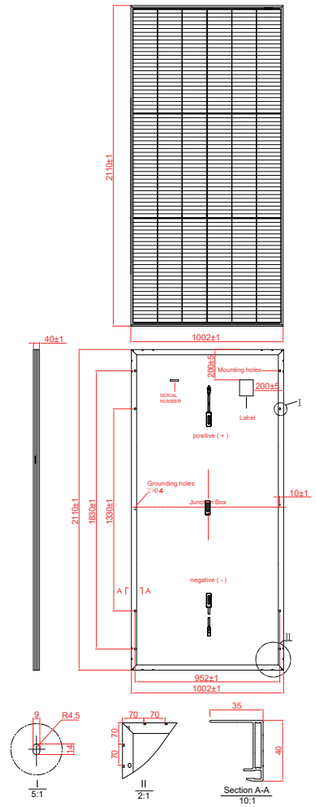
Mechanical Specifications

External Dimensions	2110 x 1002 x 40 mm
Weight	23.0 kg
Solar Cells	PERC Mono crystalline
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	4.0 mm ,cable length: 1000 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa

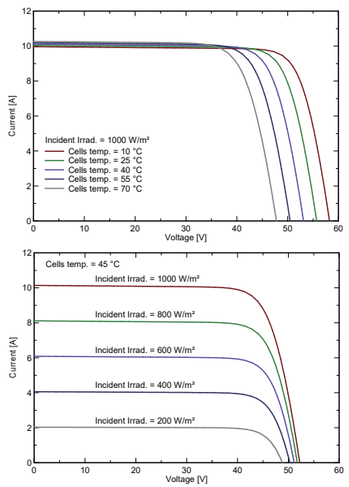
Packing Configuration

	2110 x 1002 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.*



I-V Curve



 | © Copyright 2019 Seraphim