

SII SERIES

Multiple upgrades were forged into one







435-450w



● SII SERIES

Seraphim redefined the high-efficiency module series by integrating 158.75mm silicon wafers with PERC and half-cut cell technologies. Seraphim panel combined creative technology effectively and extremely improved the module efficiency and power out.

● KEY FEATURES

-  Less mismatch to get more power
-  Less power loss by minimizing the shading impact
-  Competitive low light performance
-  3 times EL test to ensure best quality
-  Ideal choice for utility and commercial scale projects by reduced BOS and improve ROI.
-  **PVEL** Outstanding reliability proven by PVEL for stringent environment condition :
·2400pa wind load and 5400pa snow load.

● QUALITY SYSTEM

ISO19001 / ISO14001 / OHSAS18001

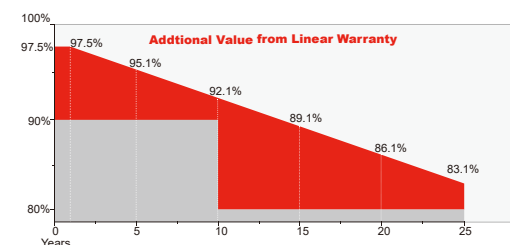
● PRODUCT CERTIFICATION



● INSURANCE

PICC

● WARRANTY



Guarantee on product material and workmanship



linear power output warranty



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Electrical Characteristics

Module Type	SRP-435-BMZ-HV	SRP-440-BMZ-HV	SRP-445-BMZ-HV	SRP-450-BMZ-HV
	STC	STC	STC	STC
Maximum Power at STC (Pmp)	435	440	445	450
Open Circuit Voltage (Voc)	52.4	52.6	52.7	52.9
Short Circuit Current (Isc)	10.47	10.53	10.64	10.70
Maximum Power Voltage (Vmp)	44.1	44.3	44.4	44.6
Maximum Power Current (Imp)	9.87	9.93	10.03	10.09
Module Efficiency at STC(ηm)	19.91	20.14	20.37	20.60
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%; Voltage measurement tolerance: +/-2%; Current measurement tolerance: +/-4%

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

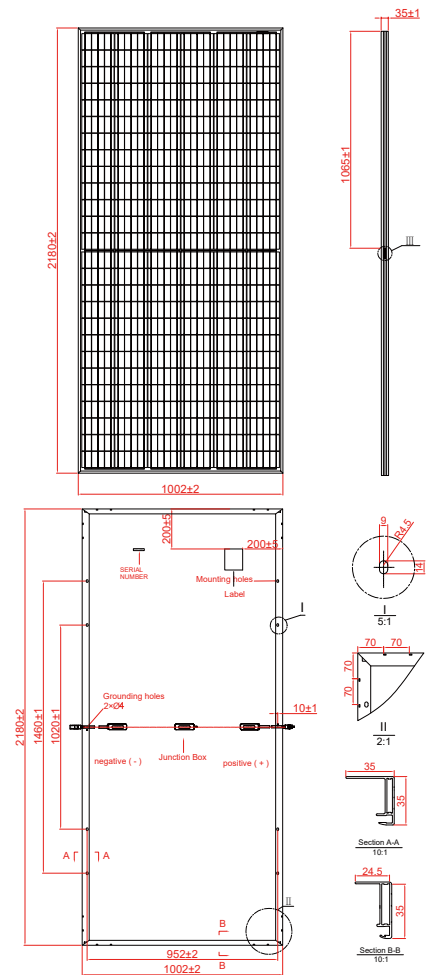
Mechanical Specifications

External Dimensions	2180 x 1002 x 40 mm
Weight	24.0kg
Solar Cells	PERC Mono(156pcs)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cable	4.0 mm ² , Portrait:255mm(+)/355mm(-);Landscape:1300mm
Mechanical Load	Front side 5400Pa/ Back side 2400Pa
Connector	Genuine MC4 / TT01 / TT02 / 05-6 / 05-8
Fire Safety Class	Class C

Packing Configuration

	2180 x 1002 x 35 mm	
Container	20'GP	40'HQ
Pieces per Pallet	31	31+2*
Pallets per Container	10	20
Pieces per Container	310	660

* 31+2 pieces per pallet is the special package which only suits for container transport. For details, please consult SERAPHIM.



I-V Curve

