SII SERIES
Multiple upgrades were forged into one
425-440w

SII SERIES

Seraphim redefined the high-efficiency module series by integrating 158.75mm silicon wafers with multi-busbar and half-cut cell technologies. Seraphim panel combined creativetechnology effectively and extremely improved the module efficiency and power output.

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
TÜV | CE | PV CYCLE | CLEAN ENERGY COUNCIL MEMBER

INSURANCE
PICC

WARRANTY

Addtional Value from Linear Warranty

97.5% | 95.1% | 92.1% | 89.1% | 86.1% | 83.1%
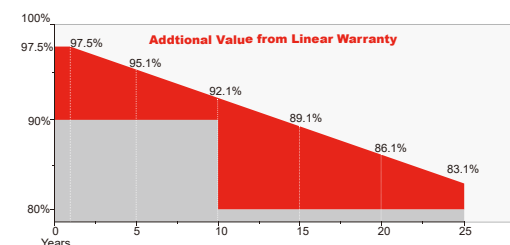
15 YEARS Guarantee on product material and workmanship

25 YEARS linear power output warranty

SERAPHIM SOLAR SYSTEM CO., LTD

Add: No.1-2, HengyaoRd, HenglinTown, Wujin District, 213000, Changzhou, China
Tel: +86-519-69699879   Fax: +86-519-88786181   Email: info@seraphim-energy.com

Electrical Characteristics

Module Type	SRP-425-BMZ-HV	SRP-430-BMZ-HV	SRP-435-BMZ-HV	SRP-440-BMZ-HV
	STC	STC	STC	STC
Maximum Power at STC (Pmp)	425	430	435	440
Open Circuit Voltage (Voc)	52.1	52.2	52.4	52.6
Short Circuit Current (Isc)	10.31	10.40	10.47	10.53
Maximum Power Voltage (Vmp)	43.8	43.9	44.1	44.3
Maximum Power Current (Imp)	9.71	9.80	9.87	9.93
Module Efficiency at STC(ηm)	19.46	19.69	19.91	20.14
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

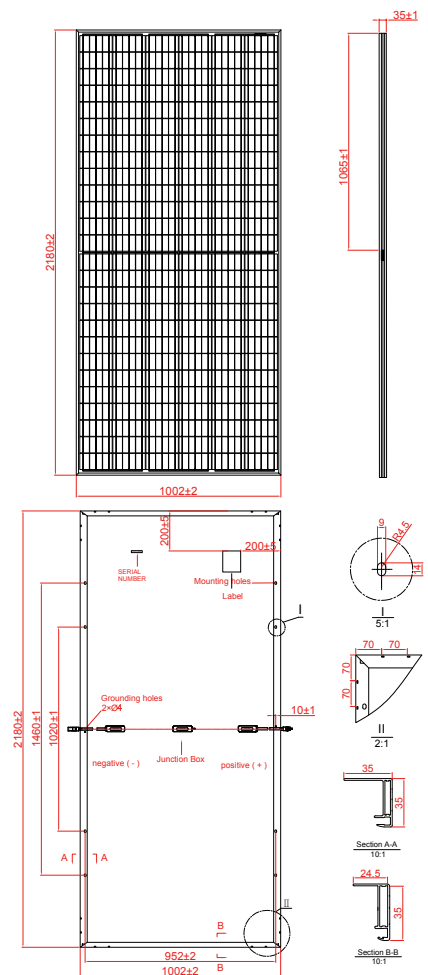|	
Pmax Temperature Coefficient	-0.36 %/°C
Voc Temperature Coefficient	-0.28 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40～+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

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 mm², Portrait:255mm(+)/355mm(-);Landscape:1300mm
Connector	Genuine MC4 / TT01 / TT02 / 05-6 / 05-8
Mechanical Load	Front side 5400Pa/ Back side 2400Pa
Fire Safety Class	Class C

Packing Configuration

	2180 x 1002 x 40 mm		
Container	20'GP	40'GP	40'HQ
Pieces per Pallet	30	30	30+2*
Pallets per Container	10	20	20
Pieces per Container	300	600	640

* 30+2 pieces per pallet is the special package which only suits for container transport.
For details,please consult SERAPHIM.

I-V Curve