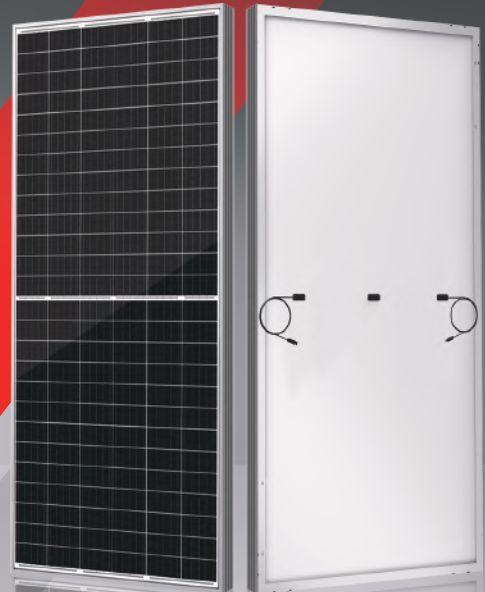


# SII SERIES

Multiple upgrades were forged into one







## 425-440<sub>w</sub>



### ● 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 :
  - Sand, acid, salt, and hail stones
  - 2400pa wind load and 5400pa snow load
  - Anti-PID

### ● QUALITY SYSTEM

ISO19001 / ISO14001 / OHSAS18001

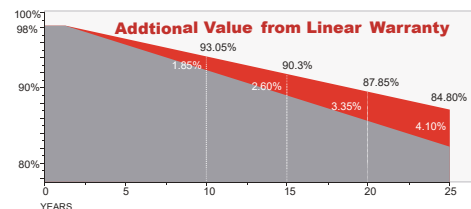
### ● PRODUCT CERTIFICATION



### ● INSURANCE

**PICC**

### ● WARRANTY



Guarantee on product material and workmanship



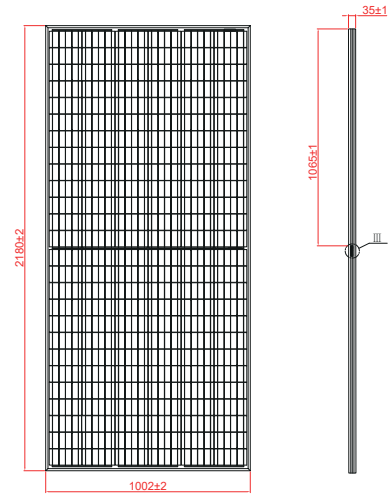
linear power output warranty



## Electrical Characteristics

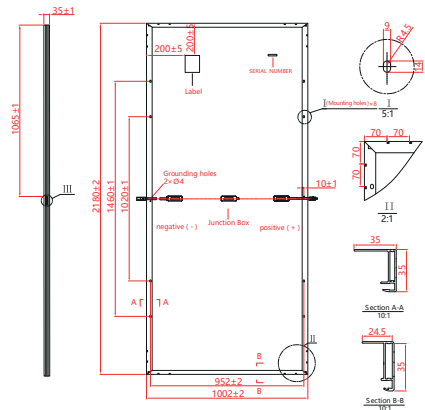
Module Type	SRP-425-BMZ-HV	SRP-430-BMZ-HV	SRP-435-BMZ-HV	SRP-440-BMZ-HV
	STC	STC	STC	STC
Maximum Power at STC (Pmp)	425	430	435	440
Open Circuit Voltage (Voc)	53.0	53.2	53.4	53.5
Short Circuit Current (Isc)	10.17	10.24	10.33	10.40
Maximum Power Voltage (Vmp)	43.8	44.0	44.2	44.4
Maximum Power Current (Imp)	9.71	9.78	9.85	9.91
Module Efficiency at STC( $\eta$ m)	19.46	19.69	19.91	20.14
Power Tolerance	(0, +3%)			
Maximum System Voltage	1500V DC			
Maximum Series Fuse Rating	20 A			

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5  
Power measurement tolerance: +/- 3%



## Temperature Characteristics

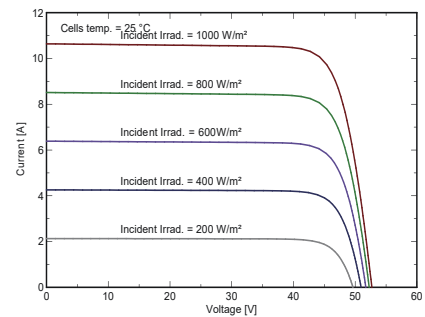
Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.27 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C



## Mechanical Specifications

External Dimensions	2180 x 1002 x 35 mm
Weight	24.0 kg
Solar Cells	PERC Mono(156 pcs)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cable	4.0 mm <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400Pa / Back side 2400Pa

## I-V Curve



## 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.

