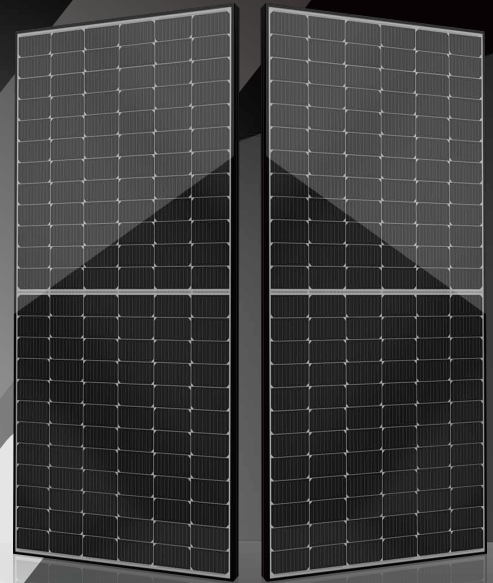


# SIII SERIES

Multiple upgrades were forged into one







## 430-445w



### ● SIII SERIES

Seraphim redefined the high-efficiency module series by integrating 166mm silicon wafers with multi-busbar and half-cut cell technologies. Seraphim panel combined creative technology 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 :
  - sand, acid, and alkali, hail stones,
  - 5400pa wind load and 2400pa snow load.
  - PID

### ● QUALITY SYSTEM

ISO19001 / ISO14001 / OHSAS18001

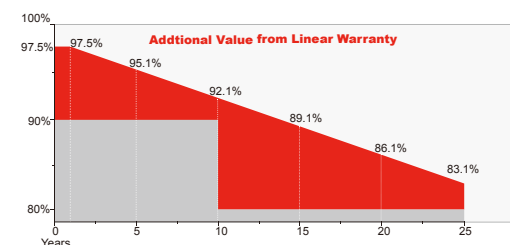
### ● PRODUCT CERTIFICATION



### ● INSURANCE

**PICC**

### ● WARRANTY



Guarantee on product material and workmanship



linear power output warranty



## Electrical Characteristics

Module Type	SRP-430-BMA		SRP-435-BMA		SRP-440-BMA		SRP-445-BMA	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	430	320	435	324	440	328	445	332
Open Circuit Voltage (Voc)	49.4	46.1	49.6	45.3	49.7	45.4	49.9	45.6
Short Circuit Current (Isc)	11.11	8.95	11.18	9.02	11.27	9.10	11.34	9.17
Maximum Power Voltage (Vmp)	41.1	38.0	41.3	38.2	41.4	38.3	41.6	38.5
Maximum Power Current (Imp)	10.47	8.43	10.54	8.49	10.63	8.57	10.70	8.63
Module Efficiency at STC( $\eta$ m)	19.33		19.55		19.78		20.00	
Power Tolerance	(0,+4.99)							
Maximum System Voltage	1000 VDC							
Maximum Series Fuse Rating	20A							

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5;

## 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

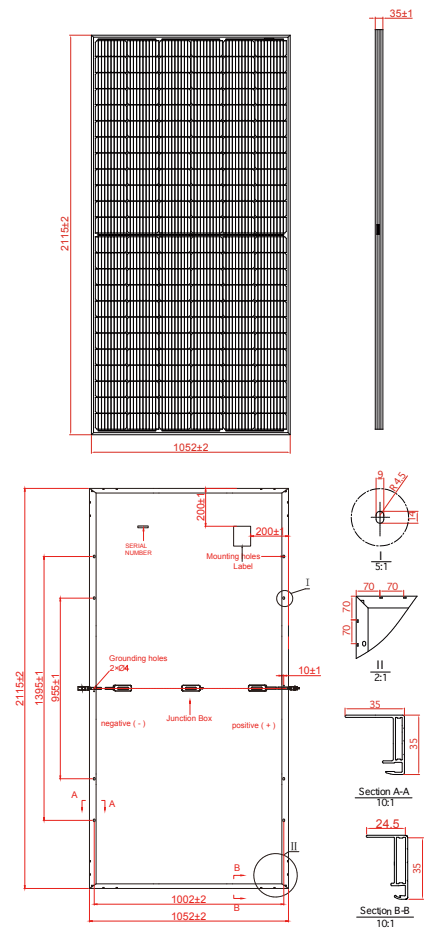
## Mechanical Specifications

External Dimensions	2115 x 1052 x 40 mm
Weight	24.0kg
Solar Cells	PERC Mono 166 x 83mm (144pcs)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0 mm <sup>2</sup> , Portrait:255mm(+)/355mm(-);Landscape:1300mm
Connector	MC4 / 05-8
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

## Packing Configuration

	2115 x 1052 x 40 mm		
Container	20'GP	40'GP	40'HQ
Pieces per Pallet	27	27	27+1*
Pallets per Container	5	11	22
Pieces per Container	135	297	616

\* 27+1 pieces per pallet is the special package which only suits for container transport.  
For details, please consult SERAPHIM.



## I-V Curve

