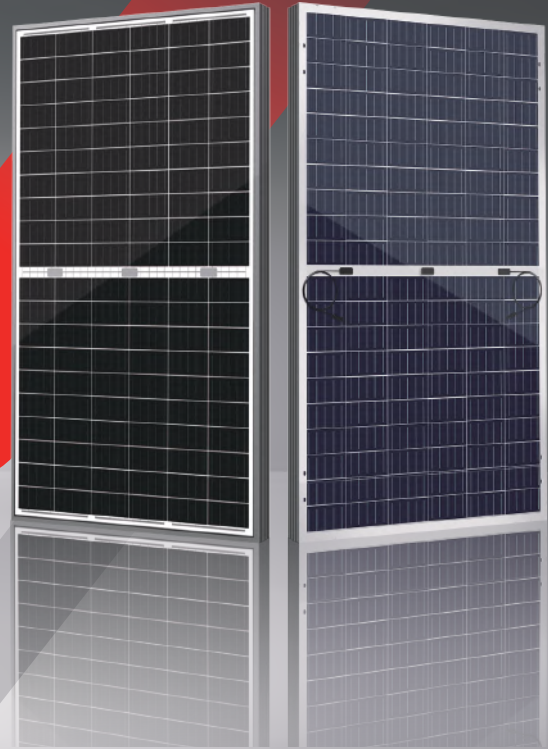


# SII SERIES

Cuts Night, Breaks Dawn







## 320-335W



### ● 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 improved ROI
-  Outstanding reliability proven by PVEL for stringent environment condition:
  - Sand, acid, salt, and hail stones
  - 2400 Pa wind load and 5400 Pa snow load
  - Anti-PID

### ● QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

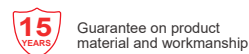
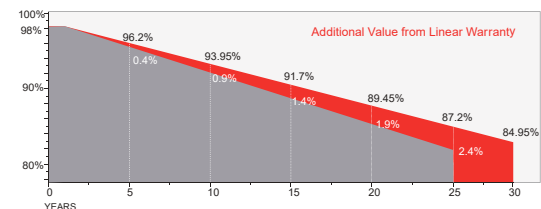
### ● PRODUCT CERTIFICATION



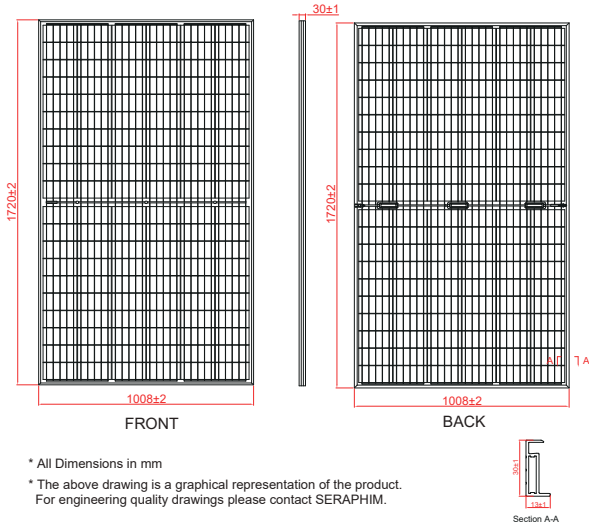
### ● INSURANCE



### ● WARRANTY



### Technical drawing



### Mechanical Specifications

External Dimension	1720 x 1008 x 30 mm
Weight	22.5 kg
Solar Cells	PERC Mono (120 pcs)
Front / Back Glass	2.0mm AR coating semi-tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0 mm <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length

### Packing Configuration

Container	40'HQ
Pieces per Pallet	32
Pallets per Container	26
Pieces per Container	832

### Electrical Characteristics

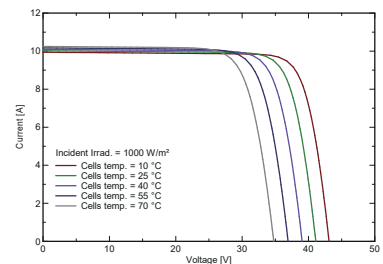
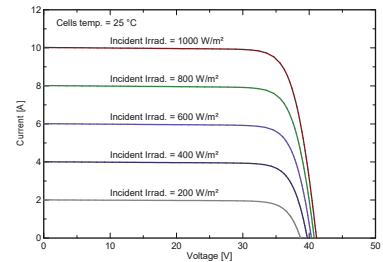
Module Type	SRP-320-BMB-BG			SRP-325-BMB-BG			SRP-330-BMB-BG			SRP-335-BMB-BG		
	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC
Maximum Power -P <sub>mp</sub> (W)	320	240	224	325	244	228	330	247	231	335	251	235
Open Circuit Voltage -V <sub>oc</sub> (V)	40.7	37.7	40.4	40.9	37.9	40.6	41.1	38.1	40.8	41.3	38.2	41.0
Short Circuit Current -I <sub>sc</sub> (A)	9.84	8.03	6.94	9.93	8.10	7.00	10.02	8.17	7.06	10.10	8.24	7.12
Maximum Power Voltage -V <sub>mp</sub> (V)	34.3	31.6	34.4	34.5	31.8	34.6	34.7	31.9	34.8	34.9	32.1	35.0
Maximum Power Current -I <sub>mp</sub> (A)	9.33	7.61	6.52	9.43	7.68	6.59	9.52	7.75	6.64	9.60	7.82	6.72
Module Efficiency STC-η <sub>m</sub> (%)	18.46			18.75			19.03			19.32		
Power Tolerance (W)	(0, +3%)											
Pmax Temperature Coefficient	-0.35 %/°C											
Voc Temperature Coefficient	-0.27 %/°C											
Isc Temperature Coefficient	+0.05 %/°C											

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

### Rear Side Power Gain(SRP-320-BMB-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P <sub>mp</sub> (W)	352	368	384	400	416
Open Circuit Voltage -V <sub>oc</sub> (V)	40.7	40.7	40.7	40.7	40.7
Short Circuit Current -I <sub>sc</sub> (A)	10.83	11.32	11.81	12.31	12.79
Maximum Power Voltage -V <sub>mp</sub> (V)	34.3	34.3	34.3	34.3	34.3
Maximum Power Current -I <sub>mp</sub> (A)	10.27	10.73	11.20	11.67	12.13

### I-V Curve



### Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	20 A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	70%±10%
Mechanical Load	Front side 5400 Pa / Back side 2400 Pa

Specifications are subject to change without further notification SRP-DS-EN-2021V2.0 © Copyright 2021 Seraphim

