

SIII SERIES

Multiple upgrades were forged into one






360-375W



● 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 improved ROI

● QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

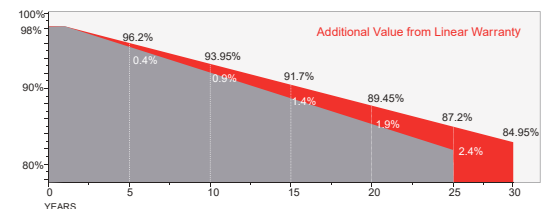
● PRODUCT CERTIFICATION



● INSURANCE

PICC

● WARRANTY



15 YEARS Guarantee on product material and workmanship

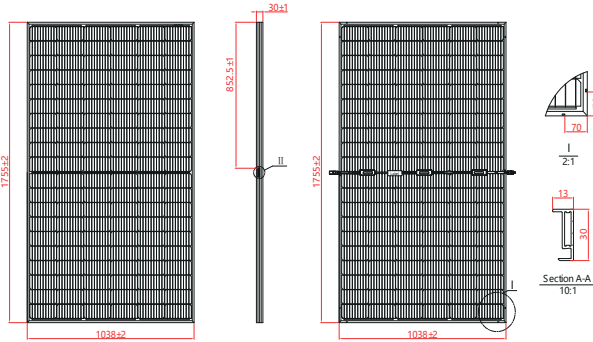
30 YEARS Linear power output warranty



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Technical Drawing



* All Dimensions in mm

* The above drawing is a graphical representation of the product. For engineering quality drawings please contact SERAPHIM.

Mechanical Specifications

External Dimension	1755 x 1038 x 30 mm
Weight	23.5 kg
Solar Cells	PERC Mono 166 x 83 mm (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	4.0mm ² , 250mm(+)/350mm(-) or Customized Length
Connector	Staubli MC4 EVO2/ Chuangda TT02 /Renhe 05-8
Fire Safety Class	Class A

Packing Configuration

Container	40'HQ
Pieces per Pallet	32
Pallets per Container	24
Pieces per Container	768

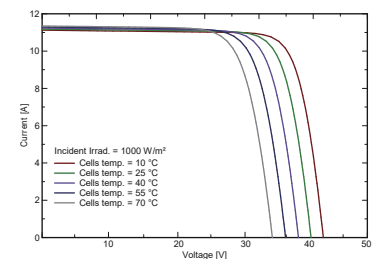
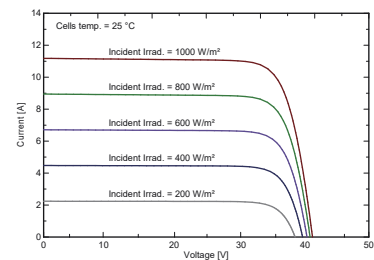
Module Type	SRP-360-BMB-BG			SRP-365-BMB-BG			SRP-370-BMB-BG			SRP-375-BMB-BG		
	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC
Maximum Power -P _{mp} (W)	360	271	252	365	275	256	370	277	259	375	282	263
Open Circuit Voltage -V _{oc} (V)	41.2	38.5	40.8	41.4	38.6	41.0	41.6	38.8	41.2	41.8	39.0	41.4
Short Circuit Current -I _{sc} (A)	11.16	9.02	7.87	11.26	9.10	7.94	11.34	9.17	7.99	11.41	9.22	8.04
Maximum Power Voltage -V _{mp} (V)	34.2	31.8	34.3	34.4	31.9	34.5	34.6	32.0	34.7	34.8	32.3	34.9
Maximum Power Current -I _{mp} (A)	10.53	8.53	7.35	10.62	8.61	7.43	10.63	8.66	7.47	10.78	8.74	7.54
Module Efficiency STC-η _m (%)	19.76			20.04			20.31			20.59		
Power Tolerance (W)	(0, +4.99)											
Pmax Temperature Coefficient	-0.35 %/°C											
Voc Temperature Coefficient	-0.27 %/°C											
Isc Temperature Coefficient	+0.05 %/°C											

STC: Irradiance 1000 W/m²; module temperature 25°C AM=1.5 Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-2%; Current measurement tolerance: +/-4%
 NOCT: Irradiance 800 W/m²; ambient temperature 20°C wind speed :1m/s Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-2%; Current measurement tolerance: +/-4%

Rear Side Power Gain(SRP-375-BMB-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P _{mp} (W)	413	432	450	469	488
Open Circuit Voltage -V _{oc} (V)	41.8	41.8	41.8	41.8	41.8
Short Circuit Current -I _{sc} (A)	12.55	13.13	13.68	14.26	14.84
Maximum Power Voltage -V _{mp} (V)	34.8	34.8	34.8	34.8	34.8
Maximum Power Current -I _{mp} (A)	11.87	12.42	12.94	13.48	14.03

I-V Curve



Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25 A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	70%±10%
Mechanical Load	Front side 5400 Pa / Rear side 2400 Pa

Specifications are subject to change without further notification SRP-DS-EN-2022T0318 © Copyright 2022 Seraphim



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