

SIII SERIES

Multiple upgrades were forged into one







365-380W



● 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
-  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

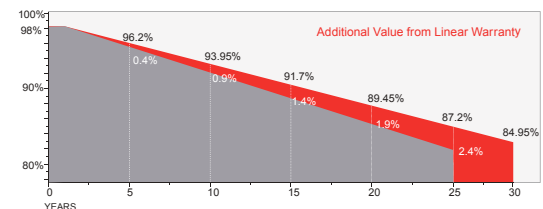
● PRODUCT CERTIFICATION



● INSURANCE

PICC

● WARRANTY

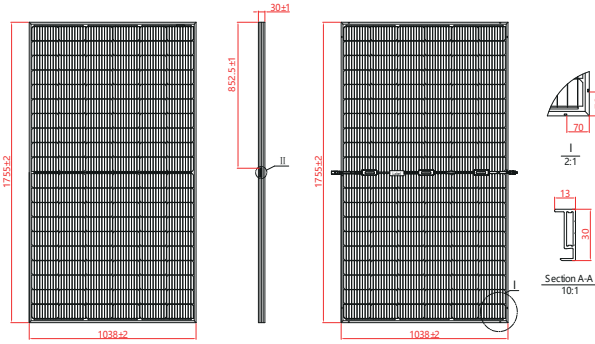


15 YEARS Guarantee on product material and workmanship

30 YEARS Linear power output warranty



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

Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	24
Pieces per Container	216	864

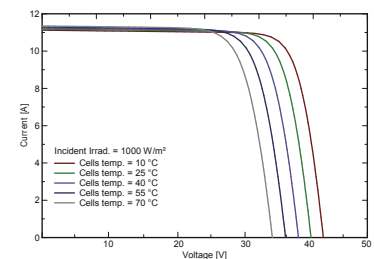
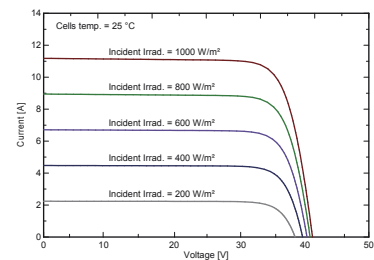
Module Type	SRP-365-BMB-BG			SRP-370-BMB-BG			SRP-375-BMB-BG			SRP-380-BMB-BG		
	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC
Maximum Power -P _{mp} (W)	365	275	256	370	277	259	375	282	263	380	286	266
Open Circuit Voltage -V _{oc} (V)	41.4	38.6	41.0	41.6	38.8	41.2	41.8	39.0	41.4	42.0	39.2	41.6
Short Circuit Current -I _{sc} (A)	11.26	9.10	7.94	11.34	9.17	7.99	11.41	9.22	8.04	11.48	9.28	8.09
Maximum Power Voltage -V _{mp} (V)	34.4	31.9	34.5	34.6	32.0	34.7	34.8	32.3	34.9	35.0	32.5	35.1
Maximum Power Current -I _{mp} (A)	10.62	8.61	7.43	10.70	8.66	7.47	10.78	8.74	7.54	10.86	8.80	7.58
Module Efficiency STC-η _m (%)	20.04			20.31			20.59			20.86		
Power Tolerance (W)	(0, +4.99)											
Pmax Temperature Coefficient	-0.34 %/°C											
Voc Temperature Coefficient	-0.26 %/°C											
Isc Temperature Coefficient	+0.05 %/°C											

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
Power measurement tolerance: +/-3%

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	20 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-2022V2.0 © Copyright 2022 Seraphim



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