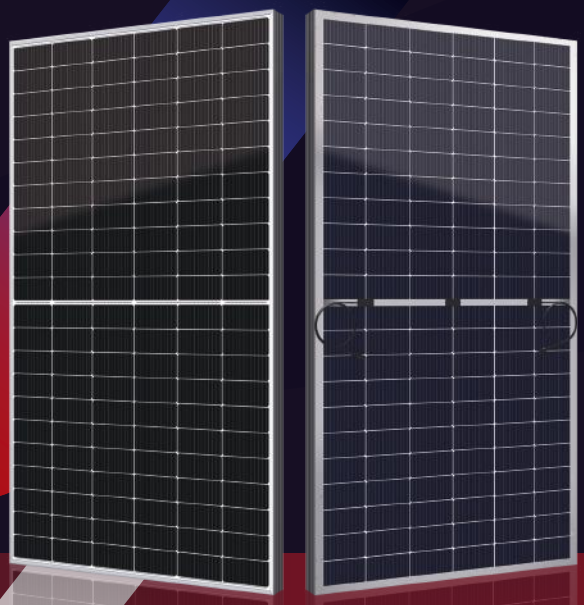
SERAPHIM®

SHIFTING · THE FUTURE
www.seraphim-energy.com

SV SERIES

Seize the Moment, Leading the Efficiency

655-670W



SV SERIES

Seraphim redefined the high-efficiency module series by integrating 210mm 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
- PVEL — 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

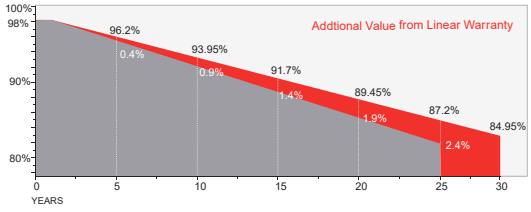
PRODUCT CERTIFICATION

TÜV SÜD | CE | PV CYCLE | CLEAN ENERGY COUNCIL MEMBER | CEC

INSURANCE

PICC

WARRANTY



15 YEARS — Guarantee on product material and workmanship

30 YEARS — Linear power output warranty

JIANGSU SERAPHIM SOLAR SYSTEM CO., LTD

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Tel: +86-519-68788166 Email: info@seraphim-energy.com

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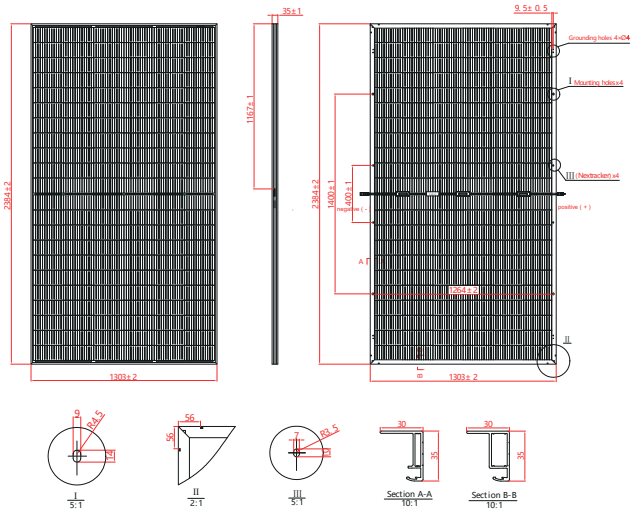
Mechanical Specifications

External Dimension	2384 x 1303 x 35 mm
Weight	38.5 kg
Solar Cells	PERC Mono crystalline(132 pcs)
Front / Back Glass	2.0mm AR coating semi-tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm², 250mm(+)/350mm(-) or Customized Length

Technical drawing



* All Dimensions in mm

Packing Configuration

Container	40'HQ
Pieces per Pallet	31
Pallets per Container	17
Pieces per Container	527

Electrical Characteristics

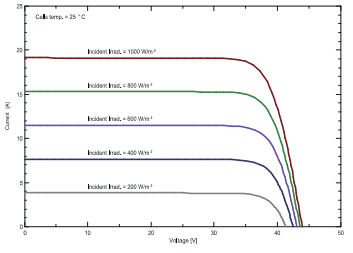
Module Type	SRP-655-BMC-BG			SRP-660-BMC-BG			SRP-665-BMC-BG			SRP-670-BMC-BG		
STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Back NOCT	Back STC
Maximum Power -P_{mp} (W)	655	492	459	660	496	462	665	500	466	670	504	469
Open Circuit Voltage -V_{oc} (V)	43.7	40.8	43.4	43.9	41.0	43.6	44.1	41.19	43.8	44.3	41.38	44.0
Short Circuit Current -I_{sc} (A)	19.09	15.43	13.46	19.14	15.47	13.49	19.19	15.51	13.53	19.24	15.55	13.56
Maximum Power Voltage -V_{mp} (V)	36.62	33.59	36.61	36.82	33.81	36.81	37.02	33.98	37.01	37.22	34.15	37.21
Maximum Power Current -I_{mp} (A)	17.89	14.65	12.54	17.93	14.69	12.56	17.97	14.72	12.60	18.01	14.76	12.61
Module Efficiency STC-η_m (%)	21.09			21.25			21.41			21.57		
Power Tolerance（W）	(0, +4.99)											
Pmax Temperature Coefficient	-0.34 %/°C											
Voc Temperature Coefficient	-0.26 %/°C											
Isc Temperature Coefficient	+0.05 %/°C											

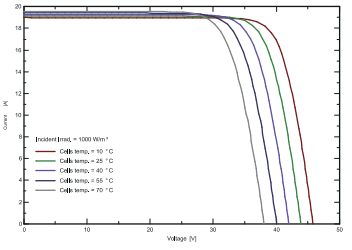
STC: Irradiance 1000 W/m² , module temperature 25°C,AM=1.5
Power measurement tolerance: +/-3%

Rear Side Power Gain(SRP-660-BMC-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P_{mp} (W)	726	759	792	825	858
Open Circuit Voltage -V_{oc} (V)	43.9	43.9	43.9	43.9	43.9
Short Circuit Current -I_{sc} (A)	21.05	22.01	22.97	23.93	24.88
Maximum Power Voltage -V_{mp} (V)	36.82	36.82	36.82	36.82	36.82
Maximum Power Current -I_{mp} (A)	19.72	20.62	21.52	22.41	23.31

I-V Curve





Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30 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

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