

Seco

645-670w

High efficiency bifacial modules

PERC

210mm

PERC MODULE ADVANTAGE



Less mismatch to get more power



Less power loss by minimizing the shading impact



Excellent low-light performance



Low BOS and LCOE



3 times EL test to ensure best quality



Superior load capacity
2400 Pa wind load & 5400 Pa snow load

QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

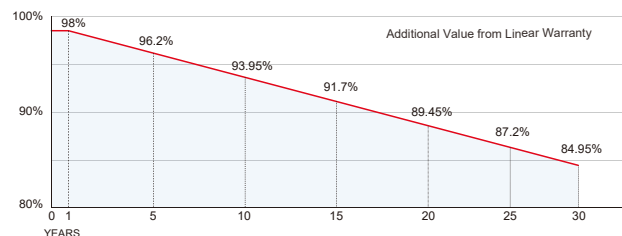
PRODUCT CERTIFICATION



INSURANCE

PICC

WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



SERAPHIM ENERGY GROUP CO., LTD.

Add: NO.18, Shichuan Road, Jinzhai Economic Development Zone, Lu'an City, Anhui Province
Tel: +86-564-7736177 Email: info@seraphim-energy.com

Mechanical Specifications

External Dimension	2384 x 1303 x 33 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	4.0mm ² , 250mm(+)/350mm(-) or Customized Length

Packing Configuration

Container	40'HQ
Pieces per Pallet	33
Pallets per Container	18
Pieces per Container	594

Electrical Characteristics

Module Type	SRP-645-BMC-BG		SRP-650-BMC-BG		SRP-655-BMC-BG		SRP-660-BMC-BG		SRP-665-BMC-BG		SRP-670-BMC-BG	
	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI
Maximum Power -P _{mp} (W)	645	703	650	709	655	714	660	719	665	725	670	730
Open Circuit Voltage -V _{oc} (V)	45.28	45.36	45.48	45.56	45.68	45.76	45.88	45.96	46.08	46.16	46.28	46.36
Short Circuit Current -I _{sc} (A)	18.29	19.94	18.34	19.99	18.39	20.05	18.44	20.10	18.49	20.15	18.54	20.21
Maximum Power Voltage -V _{mp} (V)	37.56	37.57	37.76	37.77	37.96	37.97	38.16	38.17	38.36	38.37	38.56	38.75
Maximum Power Current -I _{mp} (A)	17.17	18.72	17.21	18.76	17.25	18.80	17.29	18.85	17.33	18.89	17.37	18.93
Module Efficiency STC-η _m (%)	20.76		20.92		21.09		21.25		21.41		21.57	
Power Tolerance(W)	(0,+4.99)											

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5 Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%
BNPI: front 1000 W/m² rear 135 W/m² Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%

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)	45.33	45.33	45.33	45.33	45.33
Short Circuit Current -I _{sc} (A)	20.38	21.31	22.24	23.16	24.09
Maximum Power Voltage -V _{mp} (V)	38.16	38.16	38.16	38.16	38.16
Maximum Power Current -I _{mp} (A)	19.12	19.88	20.75	21.61	22.78

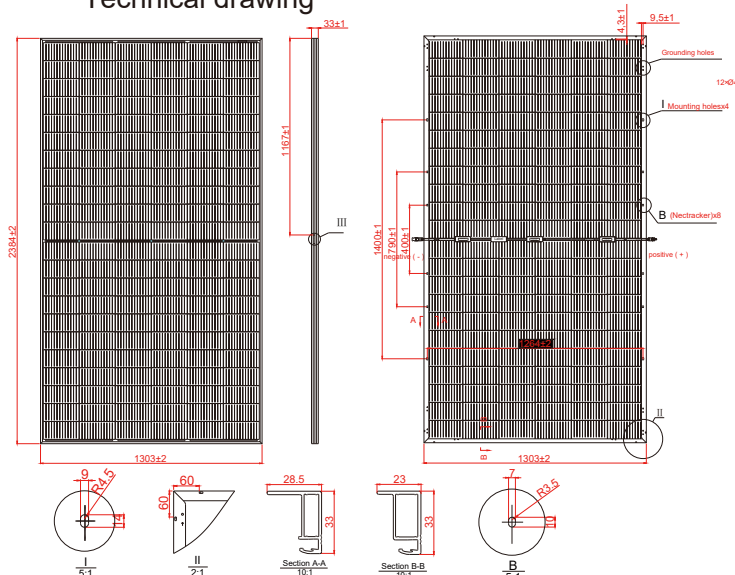
Temperature Ratings

Pmax Temperature Coefficient	-0.34 %/°C
Voc Temperature Coefficient	-0.25 %/°C
Isc Temperature Coefficient	+0.04 %/°C

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

Technical drawing



I-V Curve

