

Sable

625-650W

High efficiency bifacial modules

TOPCon

182mm

TOPCon MODULE ADVANTAGE



Multi-Busbar technology



Superior load capacity



High module efficiency



Excellent low-light performance



Lower annual attenuation
Longer warranty



Low BOS and LCOE



Reduce hot spot effect



Higher bifaciality

QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

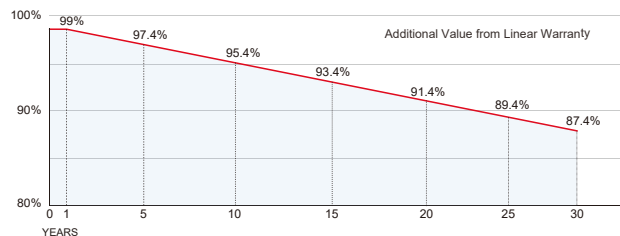
PRODUCT CERTIFICATION



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	2465 x 1134 x 30 mm
Weight	34.6 kg
Solar Cells	182N-TOPCon (156pcs)
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	4	16
Pieces per Container	144	576

Electrical Characteristics

Module Type	SRP-625-BTZ-BG		SRP-630-BTZ-BG		SRP-635-BTZ-BG		SRP-640-BTZ-BG		SRP-645-BTZ-BG		SRP-650-BTZ-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)	625	685	630	690	635	696	640	701	645	707	650	712
Open Circuit Voltage -V _{oc} (V)	56.24	56.32	56.44	56.52	56.64	56.72	56.84	56.92	57.04	57.12	57.24	57.32
Short Circuit Current -I _{sc} (A)	14.01	15.35	14.07	15.42	14.13	15.49	14.19	15.55	14.25	15.62	14.31	15.68
Maximum Power Voltage -V _{mp} (V)	46.93	47.01	47.13	47.21	47.31	47.39	47.49	47.57	47.68	47.76	47.87	47.95
Maximum Power Current -I _{mp} (A)	13.32	14.57	13.37	14.63	13.43	14.69	13.48	14.74	13.53	14.80	13.58	14.86
Module Efficiency STC-η _m (%)	22.36		22.54		22.72		22.90		23.07		23.25	
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-630-BTZ-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P _{mp} (W)	693	725	756	788	819
Open Circuit Voltage -V _{oc} (V)	56.44	56.44	56.44	56.44	56.44
Short Circuit Current -I _{sc} (A)	15.48	16.18	16.88	17.59	18.29
Maximum Power Voltage -V _{mp} (V)	47.13	47.13	47.13	47.13	47.13
Maximum Power Current -I _{mp} (A)	14.71	15.38	16.04	16.71	17.38

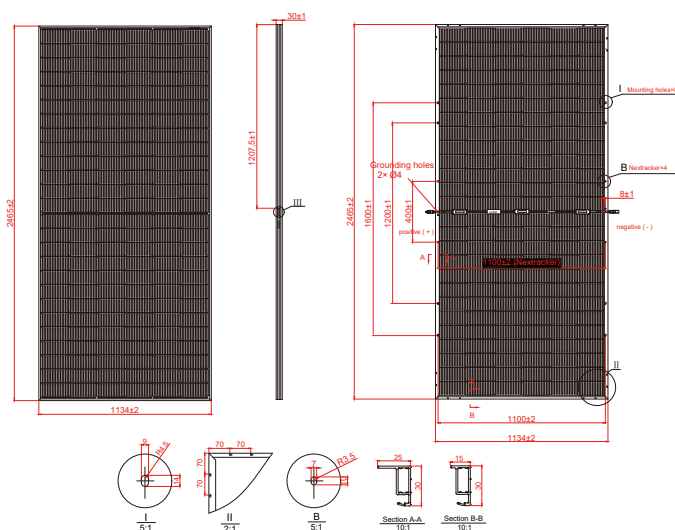
Temperature Ratings

Pmax Temperature Coefficient	-0.29 %/°C
Voc Temperature Coefficient	-0.25 %/°C
Isc Temperature Coefficient	+0.046 %/°C

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	80%±5%
Mechanical Load	Front side 5400 Pa / Back side 2400 Pa

Technical drawing



I-V Curve

