

Seco

585-610W

High efficiency monofacial 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

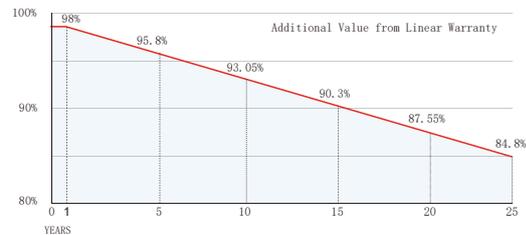
● PRODUCT CERTIFICATION



● INSURANCE

PICC

● WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



Mechanical Specifications

External Dimension	2172 x 1303 x 33 mm
Weight	29.5 kg
Solar Cells	PERC Mono(120 pcs)
Front Glass	3.2mm AR coating 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

For details, please consult SERAPHIM.

Electrical Characteristics

Module Type	SRP-585-BMB-HV		SRP-590-BMB-HV		SRP-595-BMB-HV		SRP-600-BMB-HV		SRP-605-BMB-HV		SRP-610-BMB-HV	
	STC	NOCT										
Maximum Power $-P_{mp}$ (W)	585	439	590	443	595	446	600	450	605	454	610	458
Open Circuit Voltage $-V_{oc}$ (V)	41.09	39.04	41.29	39.23	41.49	39.42	41.69	39.61	41.89	39.80	42.09	39.99
Short Circuit Current $-I_{sc}$ (A)	18.22	14.58	18.28	14.62	18.34	14.67	18.40	14.72	18.46	14.77	18.52	14.82
Maximum Power Voltage $-V_{mp}$ (V)	33.98	31.87	34.18	32.05	34.38	32.22	34.58	32.40	34.78	32.58	34.98	32.75
Maximum Power Current $-I_{mp}$ (A)	17.21	13.77	17.26	13.81	17.31	13.85	17.36	13.89	17.41	13.93	17.46	13.97
Module Efficiency STC- η_p (%)	20.67		20.85		21.02		21.20		21.38		21.55	
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%
NOCT: Irradiance 800 W/m² ambient temperature 20° C wind speed :1m/s Power measurement tolerance: +/-3%;Voltage measurement tolerance: +/-3%;Current measurement tolerance: +/-4%

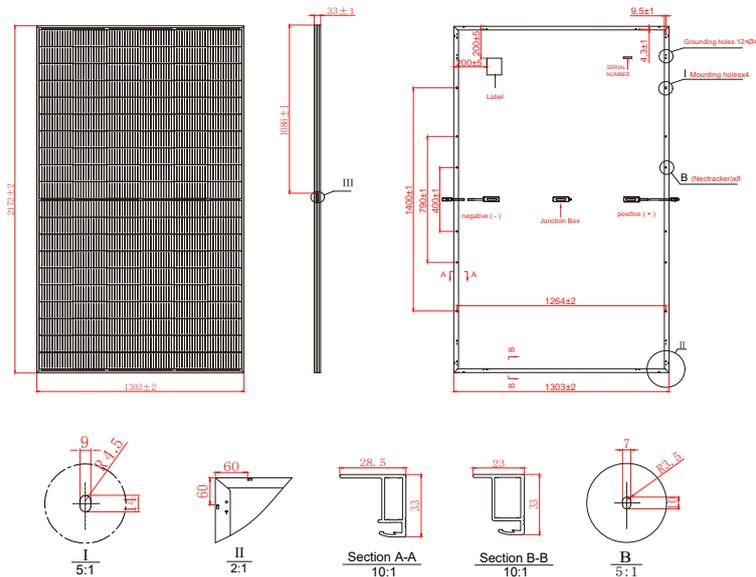
Temperature Ratings

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
Mechanical Load	Front side 5400 Pa / Back side 2400 Pa

Technical drawing



I-V Curve

