







Seco 645-670w

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

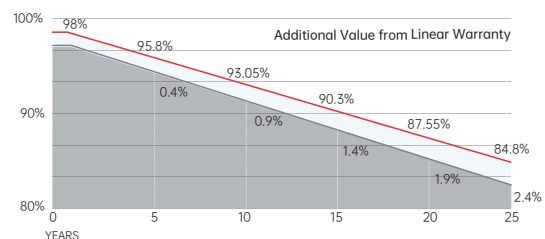
• **PRODUCT CERTIFICATION**



• **INSURANCE**

PICC

• **WARRANTY**



15 YEARS Guarantee on product material and workmanship

25 YEARS Linear power output warranty



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Mechanical Specifications

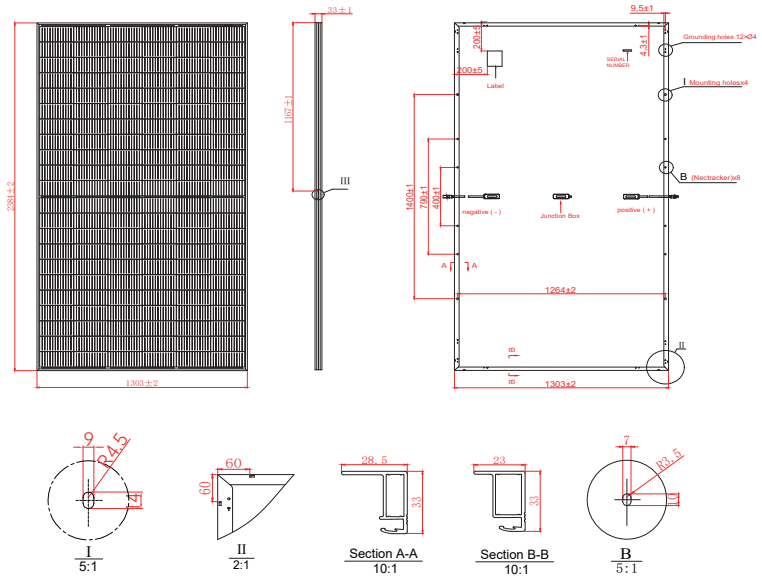
External Dimension	2384 x 1303 x 33 mm
Weight	32.2 kg
Solar Cells	PERC Mono(132 pcs)
Front / Back Glass	3.2mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm ² , 250mm(+)/350mm(-) or Customized Length

Packing Configuration

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

For details, please consult SERAPHIM.

Technical drawing



Electrical Characteristics

Module Type	SRP-645-BMC-HV		SRP-650-BMC-HV		SRP-655-BMC-HV		SRP-660-BMC-HV		SRP-665-BMC-HV		SRP-670-BMC-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	645	484	650	488	655	492	660	496	665	500	670	504
Open Circuit Voltage -V _{oc} (V)	45.28	43.02	45.48	43.21	45.68	43.40	45.88	43.59	46.08	43.78	46.28	43.97
Short Circuit Current -I _{sc} (A)	18.29	14.63	18.34	14.67	18.39	14.71	18.44	14.75	18.49	14.79	18.54	14.83
Maximum Power Voltage -V _{mp} (V)	37.56	35.24	37.76	35.44	37.96	35.65	38.16	35.86	38.36	36.06	38.56	36.27
Maximum Power Current -I _{mp} (A)	17.17	13.74	17.21	13.77	17.25	13.80	17.29	13.83	17.33	13.86	17.37	13.90
Module Efficiency STC-η _m (%)	20.92		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%
 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

I-V Curve

