

# 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

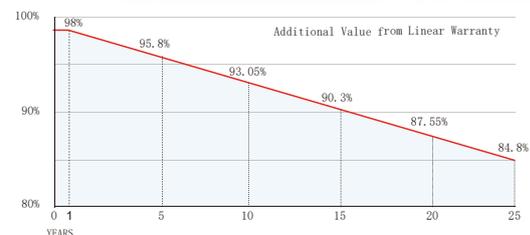
### PRODUCT CERTIFICATION



### INSURANCE

**PICC**

### WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



### Mechanical Specifications

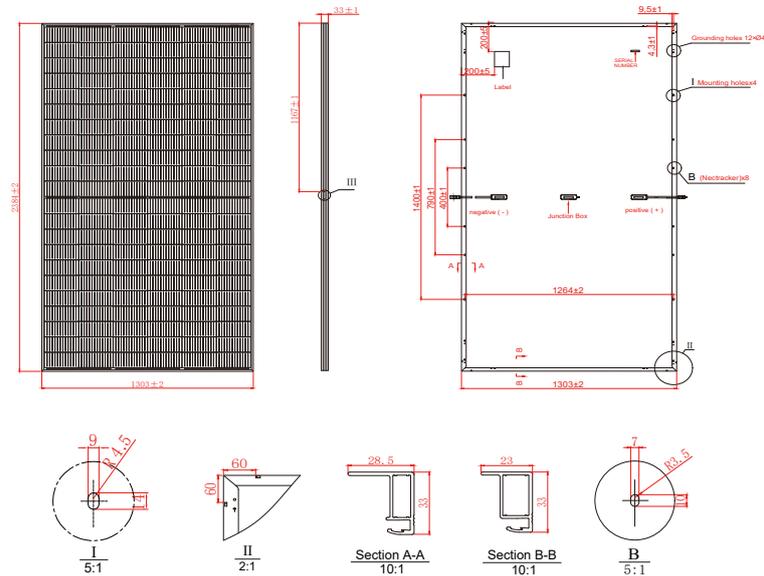
External Dimension	2384 x 1303 x 33 mm
Weight	32.2 kg
Solar Cells	PERC Mono(132 pcs)
Front Glass	3.2mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length

### 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										
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- $\eta_p$ (%)	20.92		20.92		21.09		21.25		21.41		21.57	
Power Tolerance (W)	(0, +4.99)											

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25° C AM=1.5 Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%  
NOCT: Irradiance 800 W/m<sup>2</sup> 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

