







# Seco

## 540-555W

High efficiency bifacial modules

**PERC 182mm**

### 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

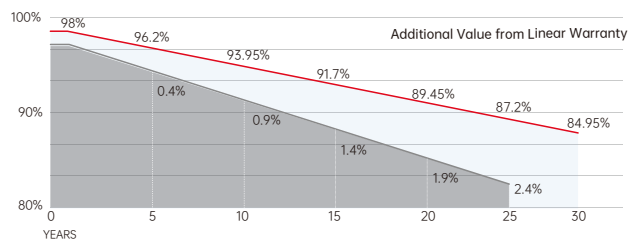
### PRODUCT CERTIFICATION



### INSURANCE

**PICC**

### WARRANTY



**15 YEARS** Guarantee on product material and workmanship

**30 YEARS** Linear power output warranty



**Jiangsu Seraphim Solar System Co., Ltd.**

Add: NO.10 TongShun road, Henglin Town, Wujin District, Changzhou, Jiangsu Province, China.  
 Tel: +86-564-7736177 Email: info@seraphim-energy.com

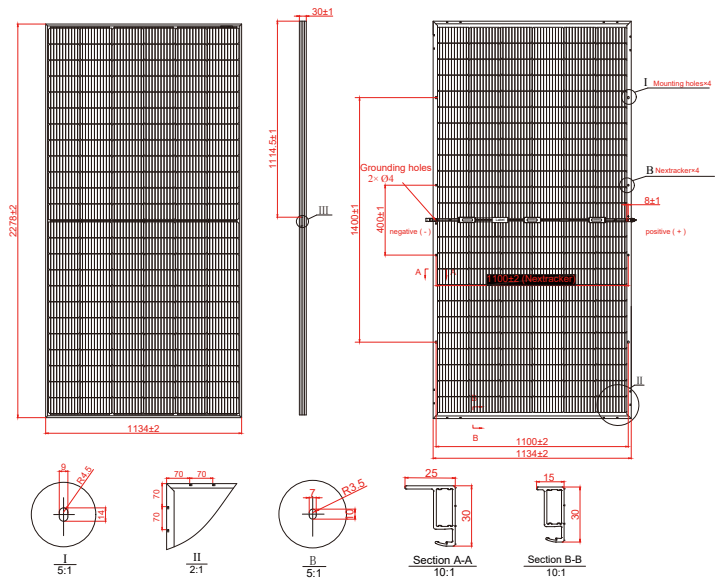
## Mechanical Specifications

External Dimension	2278 x 1134 x 30 mm	
Weight	32.0 kg	
Solar Cells	PERC Mono crystalline(144 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 <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length	
Connector	Genuine MC4 EVO2/Zerun Z4S-abcde/QC Solar QC4.10-cds	
Fire Safety Class	Class A	

## Packing Configuration

Container	20'HQ	40'HQ
Pieces per Pallet	36	36
Pallets per Container	4	20
Pieces per Container	144	720

## Technical drawing



## Electrical Characteristics

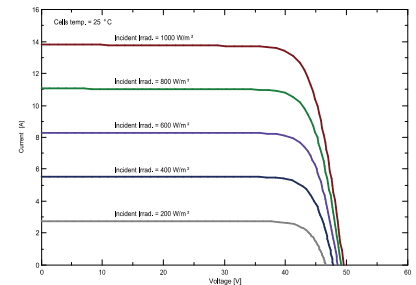
Module Type	SRP-540-BMA-BG			SRP-545-BMA-BG			SRP-550-BMA-BG			SRP-555-BMA-BG		
	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC
Maximum Power $-P_{mp}$ (W)	540	591	378	545	597	382	550	602	385	555	607	389
Open Circuit Voltage $-V_{oc}$ (V)	49.50	49.70	49.48	49.60	49.80	49.58	49.70	49.90	49.68	49.80	50.00	49.78
Short Circuit Current $-I_{sc}$ (A)	13.81	15.12	9.74	13.90	15.21	9.80	14.00	15.32	9.87	14.10	15.43	9.94
Maximum Power Voltage $-V_{mp}$ (V)	41.55	41.75	41.61	41.80	42.00	41.86	42.05	42.25	42.10	42.31	42.51	42.34
Maximum Power Current $-I_{mp}$ (A)	13.00	14.16	9.09	13.04	14.20	9.13	13.08	14.25	9.15	13.12	14.29	9.19
Module Efficiency STC- $\eta$ (%)	20.90			21.10			21.29			21.48		
Power Tolerance (W)	(0, +4.99)											
Pmax Temperature Coefficient	-0.34 %/°C											
Voc Temperature Coefficient	-0.26 %/°C											
Isc Temperature Coefficient	+0.05 %/°C											

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%  
 BNPI: front 1000 W/m<sup>2</sup> rear 135 W/m<sup>2</sup> Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-3%

## Rear Side Power Gain( SRP-550-BMA-BG)

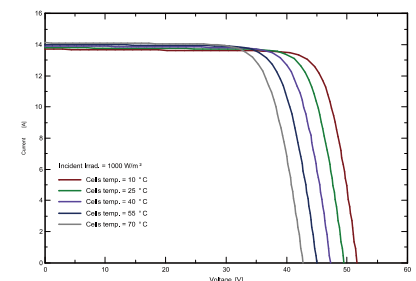
Power Gain	10%	15%	20%	25%	30%
Maximum Power $-P_{mp}$ (W)	605	633	660	688	715
Open Circuit Voltage $-V_{oc}$ (V)	49.70	49.70	49.70	49.70	49.70
Short Circuit Current $-I_{sc}$ (A)	15.40	16.10	16.80	17.50	18.20
Maximum Power Voltage $-V_{mp}$ (V)	42.05	42.05	42.05	42.05	42.05
Maximum Power Current $-I_{mp}$ (A)	14.39	15.04	15.70	16.35	17.00

## I-V Curve



## 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	70%±10%
Mechanical Load	Front side 5400 Pa / Back side 2400 Pa



Specifications are subject to change without further notification SRP-DS-EN-2024T0507 © Copyright 2024 Seraphim

