







Seco 415-430W

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

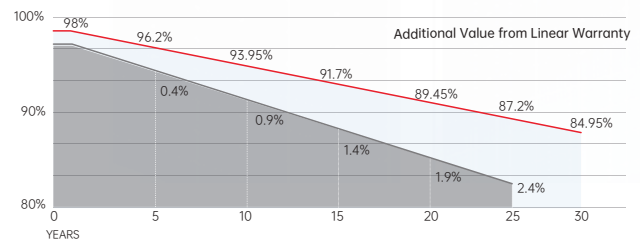
• **PRODUCT CERTIFICATION**



• **INSURANCE**

PICC

• **WARRANTY**



15 YEARS Guarantee on product material and workmanship

30 YEARS Linear power output warranty



Jiangsu Seraphim Solar System Co., Ltd.

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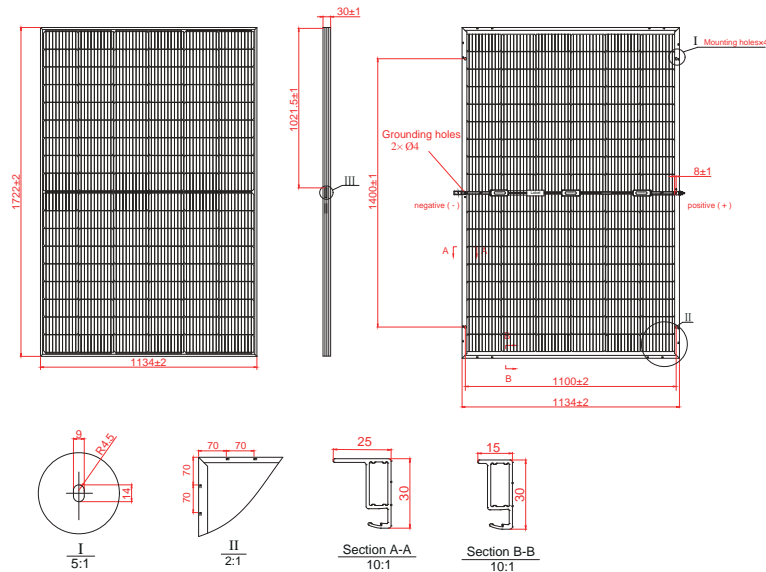
Mechanical Specifications

External Dimension	1722 x 1134 x 30 mm
Weight	24.0 kg
Solar Cells	PERC Mono crystalline(108 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 ² , 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	6	26
Pieces per Container	216	936

Technical drawing



Electrical Characteristics

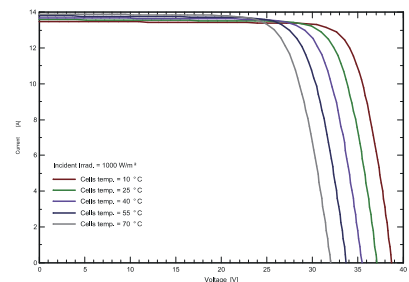
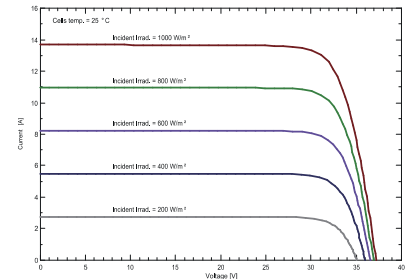
Module Type	SRP-415-BMD-BG			SRP-420-BMD-BG			SRP-425-BMD-BG			SRP-430-BMD-BG		
	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC
Maximum Power -P _{mp} (W)	415	454	291	420	460	294	425	465	298	430	471	301
Open Circuit Voltage -V _{oc} (V)	37.42	37.62	37.40	37.52	38.72	37.50	37.62	38.82	37.60	37.72	37.92	37.70
Short Circuit Current -I _{sc} (A)	13.90	15.21	9.80	14.00	15.32	9.87	14.10	15.43	9.94	14.20	15.54	10.01
Maximum Power Voltage -V _{mp} (V)	31.16	31.16	31.17	31.28	31.27	31.28	31.39	31.39	31.44	31.51	31.50	31.54
Maximum Power Current -I _{mp} (A)	13.32	14.58	9.34	13.43	14.70	9.40	13.54	14.82	9.48	13.65	14.94	9.55
Module Efficiency STC-η _m (%)	21.25			21.51			21.76			22.02		
Power Tolerance (W)	(0, +4.99)											
P _{max} Temperature Coefficient	-0.34 %/°C											
V _{oc} Temperature Coefficient	-0.26 %/°C											
I _{sc} Temperature Coefficient	+0.05 %/°C											

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: +/-3%

Rear Side Power Gain(SRP-415-BMD-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P _{mp} (W)	457	477	498	519	540
Open Circuit Voltage -V _{oc} (V)	37.42	37.42	37.42	37.42	37.42
Short Circuit Current -I _{sc} (A)	15.29	15.99	16.68	17.38	18.07
Maximum Power Voltage -V _{mp} (V)	31.16	31.16	31.16	31.16	31.16
Maximum Power Current -I _{mp} (A)	14.65	15.32	15.98	16.65	17.32

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



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