

Seco 395-420W

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

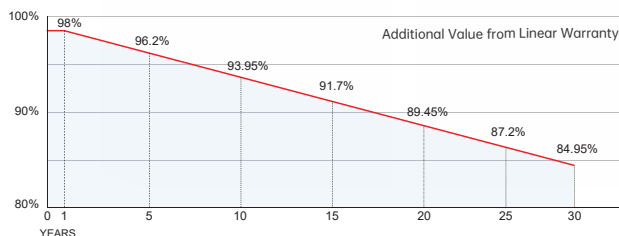
• PRODUCT CERTIFICATION



• INSURANCE

PICC

• WARRANTY



Guarantee on product
material and workmanship



Linear power
output warranty



SERAPHIM ENERGY GROUP CO., LTD.

Add: NO.18, Shichuan Road, Jinzhai Economic Development Zone, Lu'an City, Anhui Province
Tel: +86-564-7736177 Email: info@seraphim-energy.com

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

Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

Electrical Characteristics

Module Type	SRP-395-BMD-BG		SRP-400-BMD-BG		SRP-405-BMD-BG		SRP-410-BMD-BG		SRP-415-BMD-BG		SRP-420-BMD-BG	
	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI	Front STC	Front BNPI
Maximum Power -P _{mp} (W)	395	432	400	438	405	443	410	449	415	454	420	460
Open Circuit Voltage -V _{oc} (V)	37.01	37.21	37.12	37.32	37.22	37.42	37.32	37.52	37.42	37.62	37.52	37.72
Short Circuit Current -I _{sc} (A)	13.50	14.78	13.60	14.89	13.70	14.99	13.80	15.10	13.90	15.21	14.00	15.32
Maximum Power Voltage -V _{mp} (V)	30.69	30.67	30.81	30.79	30.93	30.92	31.05	31.04	31.16	31.16	31.28	31.27
Maximum Power Current -I _{mp} (A)	12.88	14.10	12.99	14.22	13.10	14.34	13.21	14.46	13.32	14.58	13.43	14.70
Module Efficiency STC-η _m (%)	20.23		20.48		20.74		21.00		21.25		21.51	
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%
BNPI: front 1000 W/m² rear 135 W/m² Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%

Rear Side Power Gain(SRP-410-BMD-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P _{mp} (W)	451	472	492	513	533
Open Circuit Voltage -V _{oc} (V)	37.32	37.32	37.32	37.32	37.32
Short Circuit Current -I _{sc} (A)	15.18	15.87	16.56	17.25	17.94
Maximum Power Voltage -V _{mp} (V)	31.05	31.05	31.05	31.05	31.05
Maximum Power Current -I _{mp} (A)	14.53	15.19	15.85	16.51	17.17

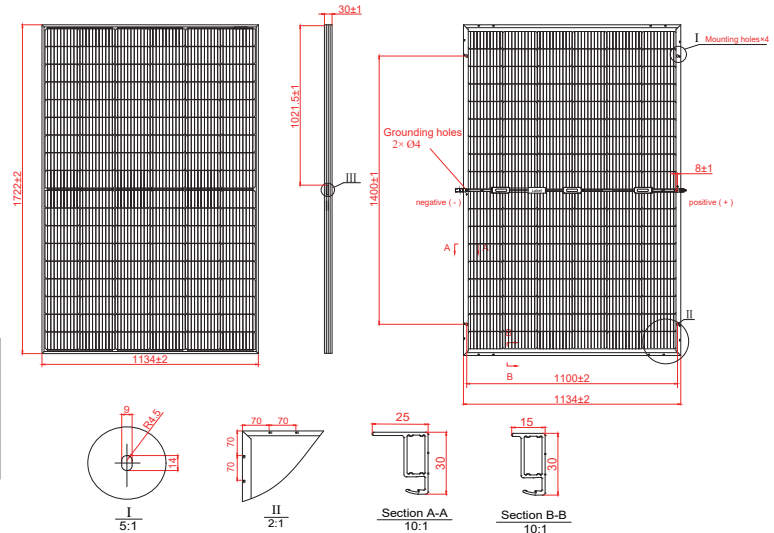
Temperature Ratings

Pmax Temperature Coefficient	-0.34 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Isc Temperature Coefficient	+0.05 %/°C

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

Technical drawing



I-V Curve

