

Seco 395-420W

High efficiency monofacial 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

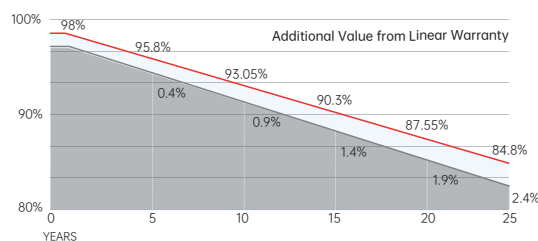
• PRODUCT CERTIFICATION



• 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	21.5 kg
Solar Cells	PERC Mono(108 pcs)
Front 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	40'HQ(USA)
Pieces per Pallet	36	36
Pallets per Container	26	23
Pieces per Container	936	828

For details, please consult SERAPHIM.

Electrical Characteristics

Module Type	SRP-395-BMD-HV		SRP-400-BMD-HV		SRP-405-BMD-HV		SRP-410-BMD-HV		SRP-415-BMD-HV		SRP-420-BMD-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	395	294	400	298	405	302	410	306	415	310	420	314
Open Circuit Voltage -V _{oc} (V)	36.75	34.60	37.00	34.80	37.25	35.10	37.50	35.30	37.75	35.53	38.00	35.76
Short Circuit Current -I _{sc} (A)	13.69	11.04	13.78	11.11	13.86	11.17	13.94	11.24	14.02	11.31	14.09	11.37
Maximum Power Voltage -V _{mp} (V)	30.85	28.80	31.05	29.00	31.24	29.20	31.43	29.30	31.64	29.42	31.81	29.57
Maximum Power Current -I _{mp} (A)	12.81	10.23	12.89	10.30	12.97	10.36	13.05	10.42	13.13	10.57	13.21	10.64
Module Efficiency STC-η _m (%)	20.20		20.50		20.70		21.00		21.20		21.50	
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%

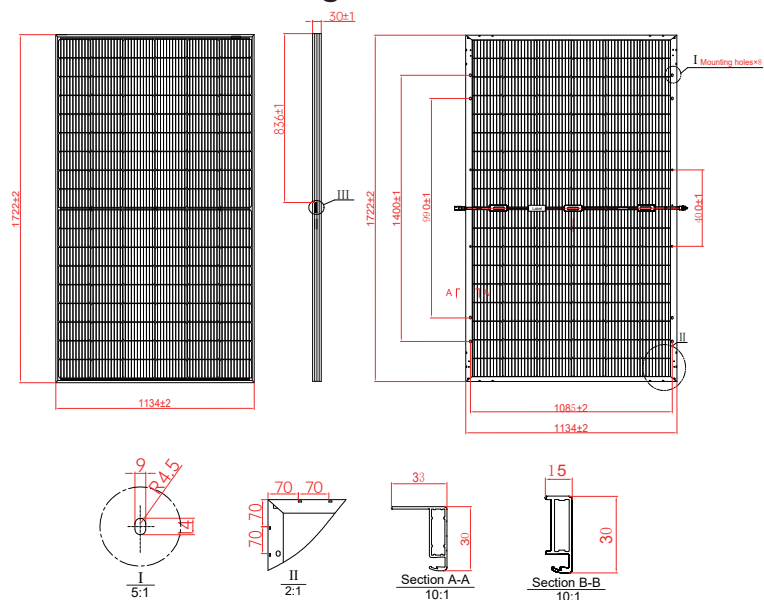
Temperature Ratings

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

Technical drawing



I-V Curve

