

Seco 580-605w

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

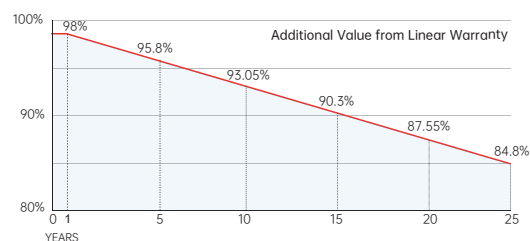
• PRODUCT CERTIFICATION



• INSURANCE

PICC

• WARRANTY



Guarantee on product
material and workmanship



Linear power
output warranty



SERAPHIM ENERGY GROUP CO., LTD.

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Mechanical Specifications

External Dimension	2465 x 1134 x 35 mm
Weight	29.5 kg
Solar Cells	PERC Mono(156 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	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	4	16
Pieces per Container	124	496

For details, please consult SERAPHIM.

Electrical Characteristics

Module Type	SRP-580-BMZ-HV		SRP-585-BMZ-HV		SRP-590-BMZ-HV		SRP-595-BMZ-HV		SRP-600-BMZ-HV		SRP-605-BMZ-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	580	436	585	440	590	444	595	448	600	452	605	456
Open Circuit Voltage -V _{oc} (V)	53.43	50.76	53.63	50.95	53.83	51.14	54.03	51.33	54.23	51.52	54.43	51.71
Short Circuit Current -I _{sc} (A)	13.81	11.05	13.87	11.10	13.93	11.14	13.99	11.19	14.05	11.24	14.11	11.29
Maximum Power Voltage -V _{mp} (V)	44.81	42.08	45.01	42.28	45.21	42.50	45.41	42.72	45.61	42.93	45.81	43.12
Maximum Power Current -I _{mp} (A)	12.95	10.36	13.01	10.41	13.06	10.45	13.11	10.49	13.16	10.53	13.22	10.58
Module Efficiency STC-η _m (%)	20.75		20.93		21.11		21.29		21.46		21.64	
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%

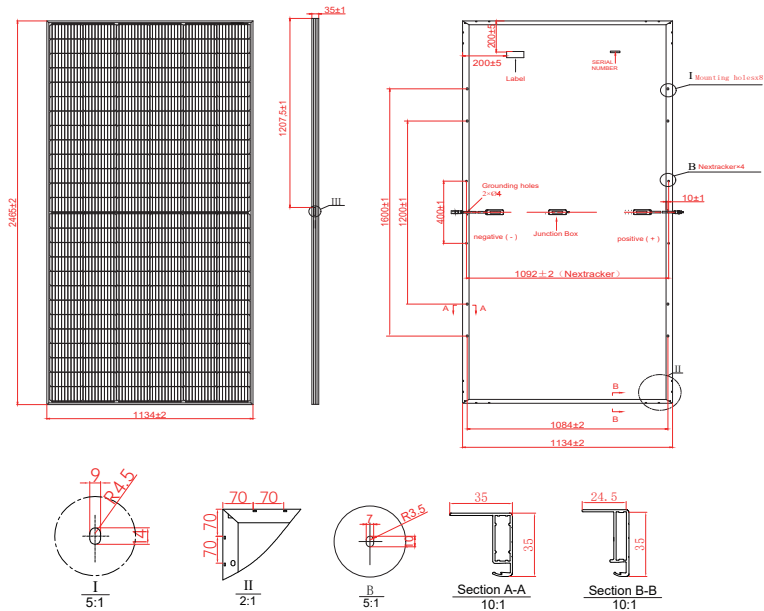
Temperature Ratings

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	25 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

