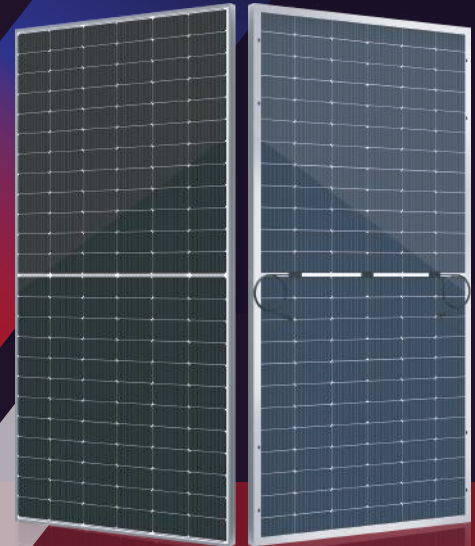


SIV SERIES

Small Changes, Big Accomplishments






525-540_w



● SIV SERIES

Seraphim redefined the high-efficiency module series by integrating 182mm silicon wafers with multi-busbar and half-cut cell technologies. Seraphim panel combined creative technology effectively and extremely improved the module efficiency and power output.

● KEY FEATURES

-  Less mismatch to get more power
-  Less power loss by minimizing the shading impact
-  Competitive low light performance
-  3 times EL test to ensure best quality
-  Ideal choice for utility and commercial scale projects by reduced BOS and improve ROI

● QUALITY SYSTEM

ISO19001 / ISO14001 / OHSAS18001

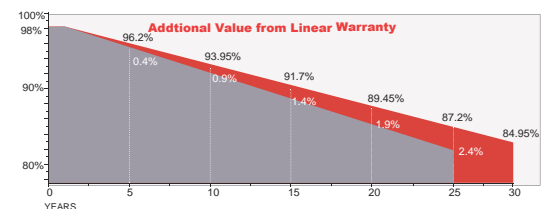
● PRODUCT CERTIFICATION



● INSURANCE

PICC

● WARRANTY

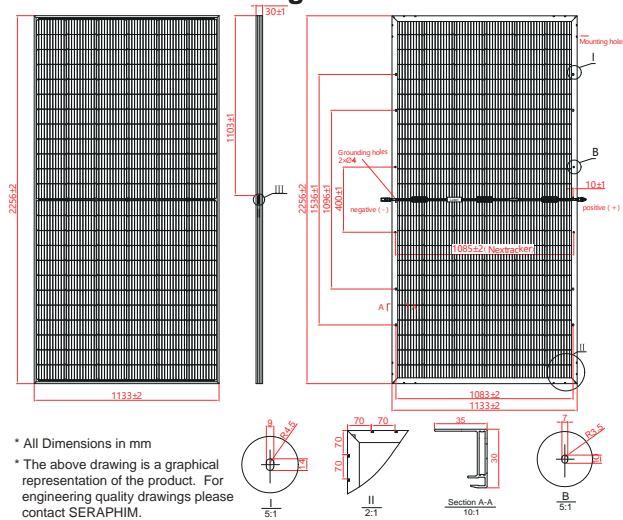


15 YEARS Guarantee on product material and workmanship

30 YEARS linear power output warranty



Technical drawing



* All Dimensions in mm
 * The above drawing is a graphical representation of the product. For engineering quality drawings please contact SERAPHIM.

Mechanical Specifications

External Dimension	2256 x 1133 x 30 mm
Weight	32kg
Solar Cells	PERC Mono crystalline (144pcs)
Front / Back Glass	2.0mm AR coating semi-tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0 mm ² , Portrait:350mm(+)/450mm(-);Landscape:1300mm
Connector	Genuine MC4 EVO2/ TT02 / 05-8
Fire Safety Class	Class A

Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	32	32
Pallets per Container	5	20
Pieces per Container	160	640

Electrical Characteristics

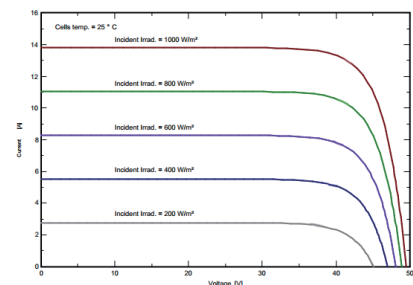
Module Type	SRP-525-BMA-BG		SRP-530-BMA-BG		SRP-535-BMA-BG		SRP-540-BMA-BG	
	Front	Back	Front	Back	Front	Back	Front	Back
STC								
Maximum Power -P _{mp} (W)	525	395	530	400	535	405	540	410
Open Circuit Voltage -V _{oc} (V)	49.20	49.18	49.33	49.28	49.40	49.38	49.50	49.48
Short Circuit Current -I _{sc} (A)	13.50	10.08	13.60	10.17	13.70	10.26	13.81	10.37
Maximum Power Voltage -V _{mp} (V)	40.78	40.12	41.03	40.24	41.29	40.35	41.55	40.47
Maximum Power Current -I _{mp} (A)	12.88	9.86	12.92	9.95	12.96	10.04	13.00	10.14
Module Efficiency STC-η _m (%)	20.5		20.7		20.9		21.1	
Power Sorting (W)	(0 ~ +4.99)							
Pmax Temperature Coefficient	-0.35 %/°C							
Voc Temperature Coefficient	-0.27 %/°C							
Isc Temperature Coefficient	+0.05 %/°C							

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5 Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-2%; Current measurement tolerance: +/-4%
 NOCT: Irradiance 800 W/m² ambient temperature 20°C wind speed :1m/s Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-2%; Current measurement tolerance: +/-4%

Rear Side Power Gain(SRP-530-BMA-BG)

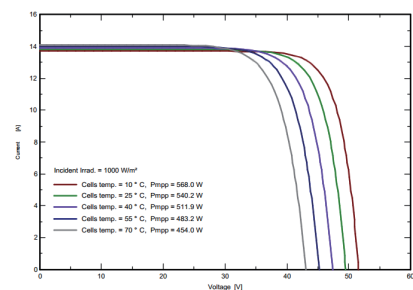
Power Gain	10%	15%	20%	25%	30%
Maximum Power -P _{mp} (W)	583	610	636	663	689
Open Circuit Voltage -V _{oc} (V)	49.33	49.33	49.33	49.33	49.33
Short Circuit Current -I _{sc} (A)	14.96	15.64	16.32	17.00	17.68
Maximum Power Voltage -V _{mp} (V)	41.03	41.03	41.03	41.03	41.03
Maximum Power Current -I _{mp} (A)	14.21	14.86	15.50	16.15	16.80

I-V Curve



Application Conditions

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	70%±10%
Mechanical Load	Front side 5400Pa/ Back side 2400Pa



Specifications are subject to change without further notification SRP-DS-EN-2021V1.0 © Copyright 2021 Seraphim

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