

SIV SERIES

Multiple upgrades were forged into one

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

● 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.
- Outstanding reliability proven by PVEL for stringent environment condition :
 - sand, acid, and alkali, hail stones,
 - 2400pa wind load and 5400pa snow load.
 - Anti-PID

● QUALITY SYSTEM

ISO19001 / ISO14001 / OHSAS18001

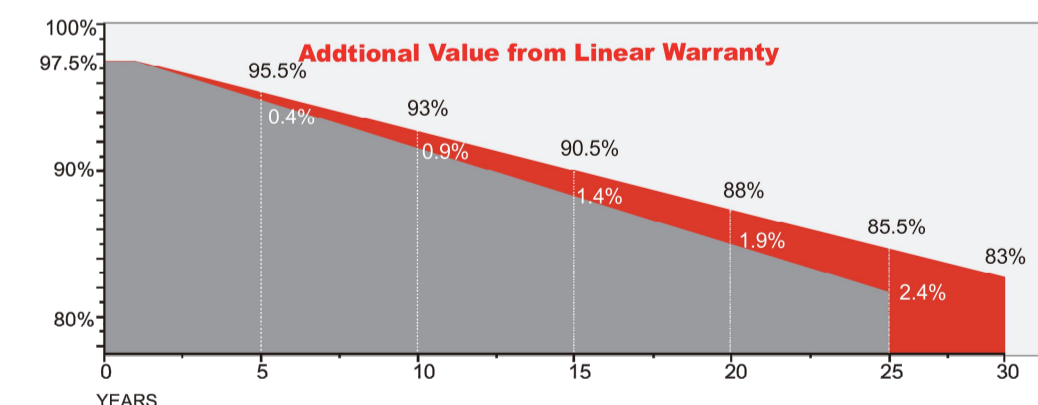
● PRODUCT CERTIFICATION



● INSURANCE

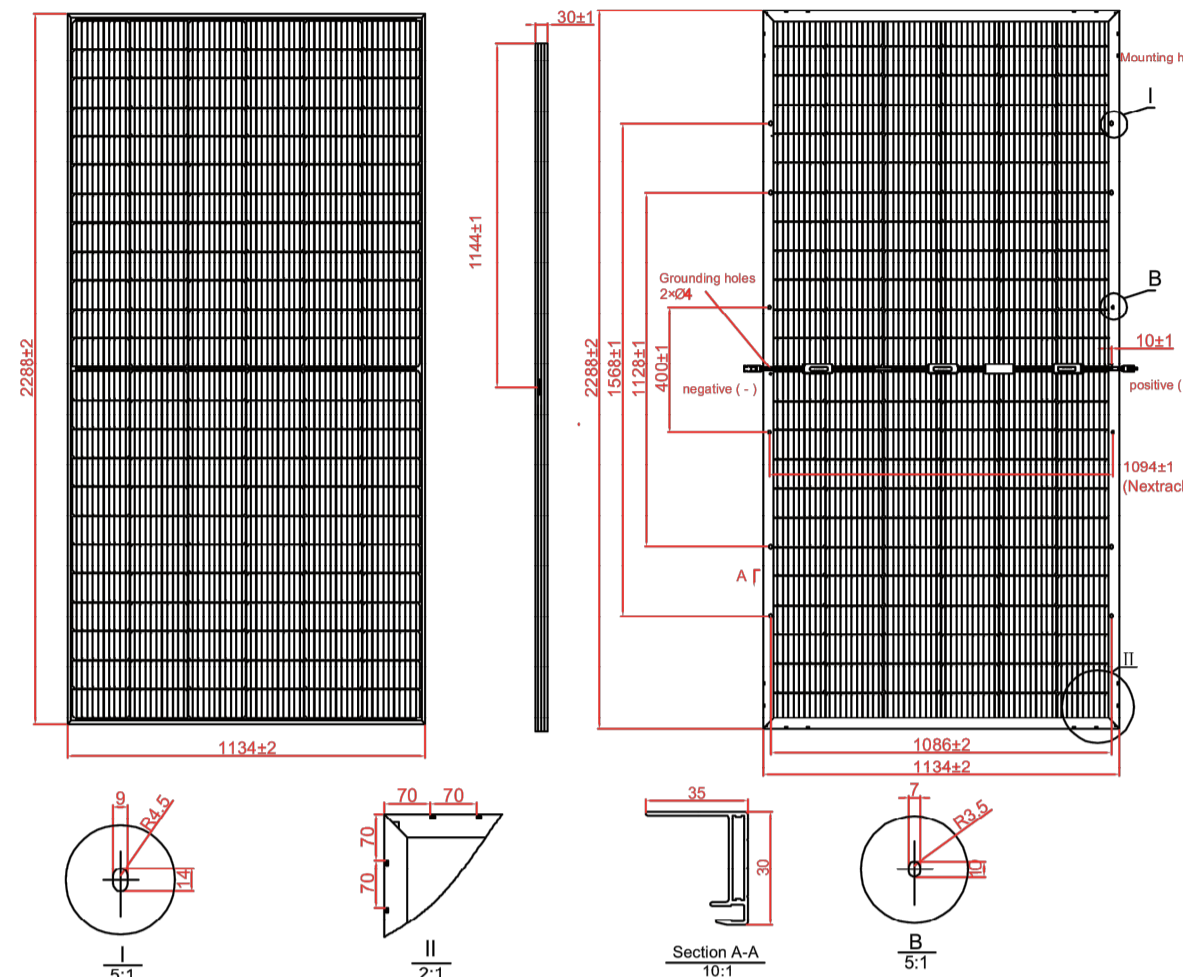


● WARRANTY



15 YEARS Guarantee on product material and workmanship
30 YEARS linear power output warranty

Technical drawing



* All Dimensions in mm

Mechanical Specifications

External Dimension	2288x 1134x 30mm
Weight	32.5kg
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

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	391	530	395	535	399	540	403
Open Circuit Voltage -V _{oc} (V)	49.41	49.38	49.51	49.48	49.64	49.61	49.77	49.74
Short Circuit Current -I _{sc} (A)	13.43	10.01	13.54	10.07	13.63	10.14	13.72	10.21
Maximum Power Voltage -V _{mp} (V)	41.60	41.57	41.76	41.73	41.91	41.88	42.03	42.01
Maximum Power Current -I _{mp} (A)	12.63	9.41	12.70	9.47	12.77	9.53	12.85	9.60
Module Efficiency STC-η _m (%)	20.2		20.4		20.6		20.8	
Power Tolerance (W)	(0, +4.99)							
Pmax Temperature Coefficient	-0.36 %/°C							
Voc Temperature Coefficient	-0.28 %/°C							
Isc Temperature Coefficient	+0.05 %/°C							

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

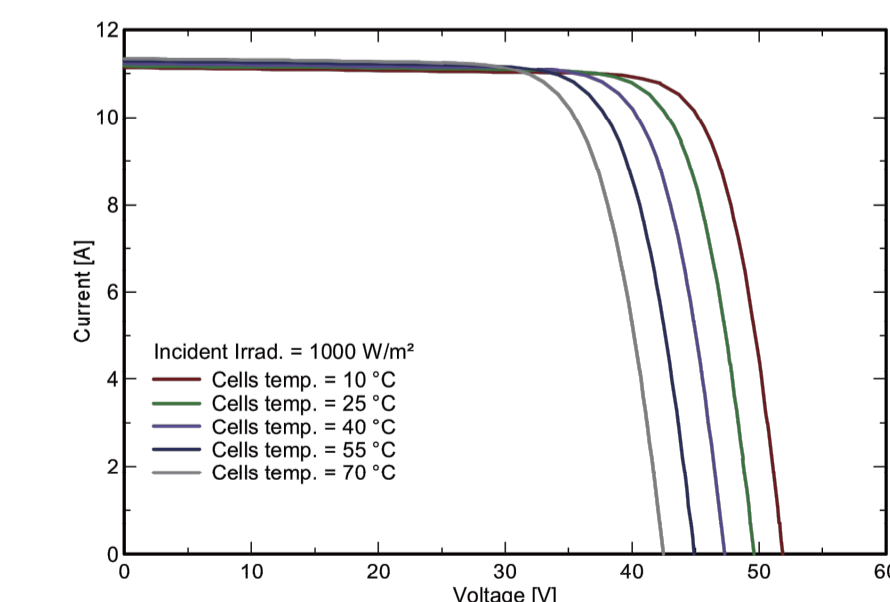
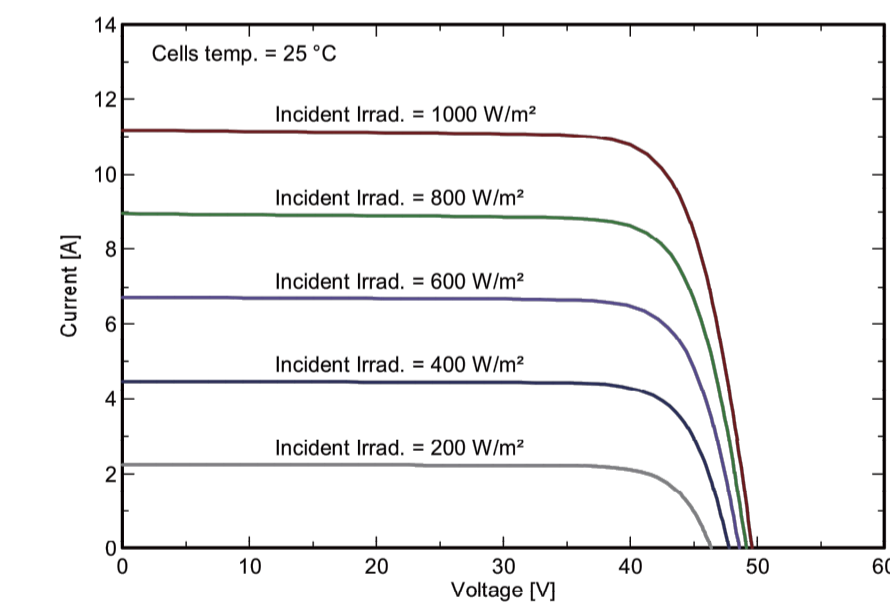
Rear Side Power Gain(SRP-530-BMB-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P _{mp} (W)	583	610	636	663	689
Open Circuit Voltage -V _{oc} (V)	49.51	49.51	49.51	49.51	49.51
Short Circuit Current -I _{sc} (A)	14.77	15.44	16.12	16.79	17.46
Maximum Power Voltage -V _{mp} (V)	41.76	41.76	41.76	41.76	41.76
Maximum Power Current -I _{mp} (A)	13.97	14.61	15.24	15.88	16.51

Application Conditions

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	20A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	70%±5%
Mechanical Load	Front side 5400Pa/ Back side 2400Pa

I-V Curve



Specifications are subject to change without further notification SRP-DS-EN-2020V2.0 © Copyright 2020 Seraphim

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Rev.:	Elaborato:	Approvato:	Descrizione:	Data:
00	B.L.D.	L.B.S.	PRIMA EMISSIONE	11/2021
Stato:				
Proponente:	Progetto:	Progettazione:		
	CSPV MATERA			
Titolo dell'inquadatura: SCHEMI FUNZIONALI DEI SINGOLI PANNELLI				
Proponente: ABEI ENERGY GREEN ITALY 1				
Progettazione: ABEI ENERGY & INFRASTRUCTURE				
Codice: A.12.b.3a	Foglio: 01 di 02	Dimensione: A1	Scala:	Data: 11/2021 Rev: 00

