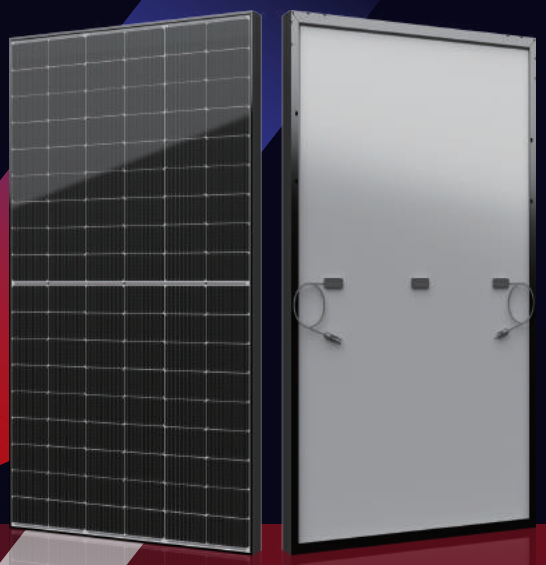
SERAPHIM®

SHIFTING · THE FUTURE
www.seraphim-energy.com

SIV SERIES

Small Changes, Big Accomplishments

400-415W



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 improved ROI
- PVEL — Outstanding reliability proven by PVEL for stringent environment condition:
  - Sand, acid, salt and hail stones
  - 2400 Pa wind load and 5400 Pa snow load
  - Anti-PID

QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

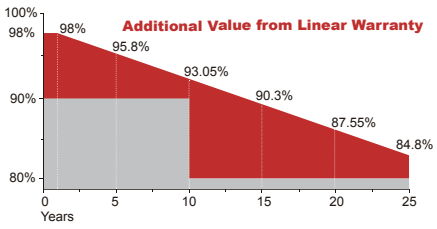
PRODUCT CERTIFICATION

TÜV · CE · PV CYCLE · CLEAN ENERGY COUNCIL MEMBER · CGC

INSURANCE

PICC

WARRANTY



25 YEARS — Guarantee on product material and workmanship

25 YEARS — Linear power output warranty

*Subject to the terms and conditions contained in the applicable Seraphim Solar System Co., Ltd. Warranty Statement .This 25-year product warranty is only applicable for products installed and operating on residential rooftops in certain regions.

SERAPHIM SOLAR SYSTEM CO., LTD

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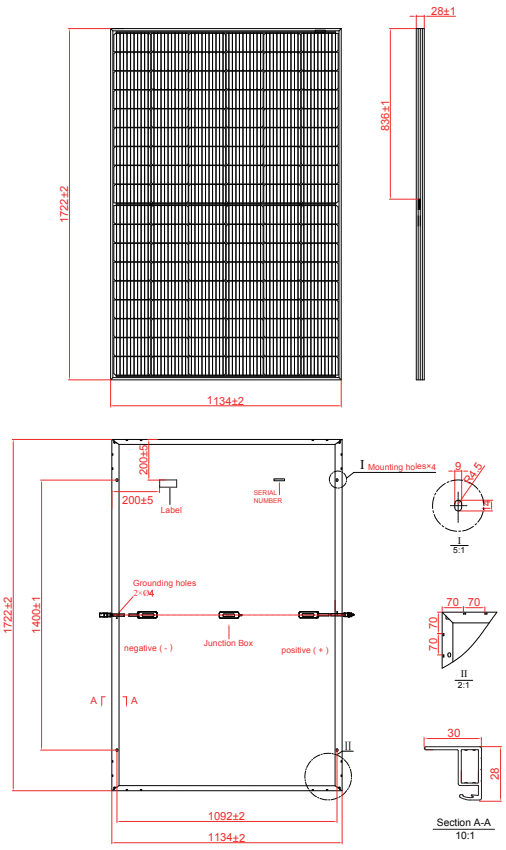
Electrical Characteristics

Module Type	SRP-400-BMD-HV		SRP-405-BMD-HV		SRP-410-BMD-HV		SRP-415-BMD-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	400	301	405	304	410	308	415	311
Open Circuit Voltage (Voc)	37.12	34.64	37.22	34.73	37.32	34.81	37.42	34.90
Short Circuit Current (Isc)	13.60	10.99	13.70	11.07	13.80	11.15	13.90	11.23
Maximum Power Voltage (Vmp)	30.81	28.82	30.93	28.91	31.05	29.05	31.16	29.19
Maximum Power Current (Imp)	12.99	10.44	13.10	10.51	13.21	10.59	13.32	10.66
Module Efficiency at STC(ηm)	20.48		20.74		21.00		21.25	
Power Tolerance	(0, +4.99)							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	25 A							

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
Power measurement tolerance: +/-3%



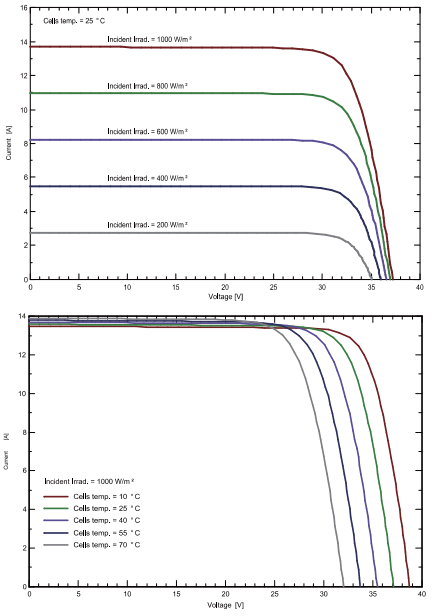
Temperature Characteristics

Pmax Temperature Coefficient	-0.34 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40～+85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C

Mechanical Specifications

External Dimensions	1722 x 1134 x 28 mm
Weight	19.0 kg
Solar Cells	PERC Mono (108 pcs)
Front Glass	3.2mm AR coating tempered glass, low iron
Frame	Black anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm², 250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

I-V Curve



Packing Configuration

	1722 x 1134 x 28 mm	
Container	20'GP	40'HQ
Pieces per Pallet	39	39
Pallets per Container	6	26
Pieces per Container	234	1014

For details, please consult SERAPHIM.

Specifications are subject to change without further notification SRP-DS-AU-2022V1.0 © Copyright 2022 Seraphim

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