SIII SERIES

Seraphim Energy Group (SEG) redefined the high-efficiency module series by integrating 166mm silicon wafers with multi-busbar and half-cut cell technologies. SEG 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.
- PVEL — Outstanding reliability proven by PVEL for stringent environment condition :
  - Sand, acid, salt, and hail stones
  - 2400pa wind load and 5400pa snow load
  - Anti-PID

QUALITY SYSTEM

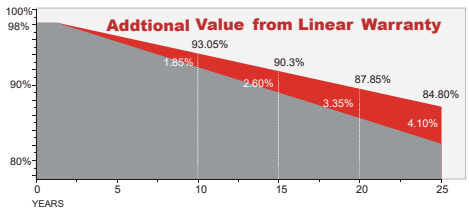
ISO19001 / ISO14001 / OHSAS18001

PRODUCT CERTIFICATION

INSURANCE

PICC

WARRANTY



15 YEARS — Guarantee on product material and workmanship

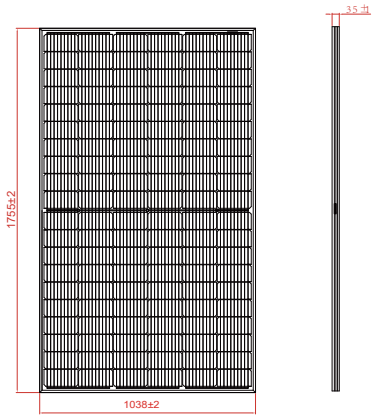
25 YEARS — linear power output warranty

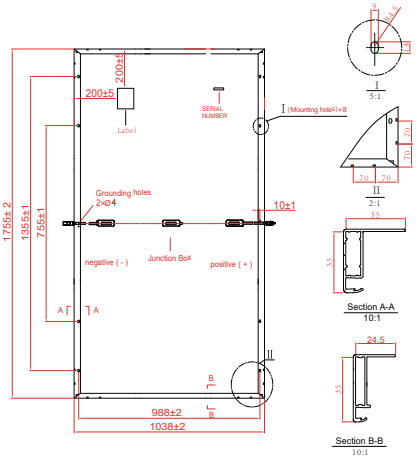
SERAPHIM ENERGY GROUP (SEG)
Texas office: 973 Isom Road San Antonio, TX 78216
California office: 6200 Stoneridge Mall Rd, Ste 300, Pleasanton, CA 94588
Phone: (925) 468-4198 Web: www.seraphim-energy.us

Electrical Characteristics

Module Type	SEG-360-BMB-HV	SEG-365-BMB-HV	SEG-370-BMB-HV	SEG-375-BMB-HV
	STC	STC	STC	STC
Maximum Power at STC (Pmp)	360	365	370	375
Open Circuit Voltage (Voc)	41.2	41.4	41.6	41.8
Short Circuit Current (Isc)	11.16	11.26	11.34	11.41
Maximum Power Voltage (Vmp)	34.2	34.4	34.6	34.8
Maximum Power Current (Imp)	10.53	10.62	10.70	10.78
Module Efficiency at STC(ηm)	19.76	20.04	20.31	20.59
Power Tolerance	(0, +3%)			
Maximum System Voltage	1500V DC			
Maximum Series Fuse Rating	20 A			

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





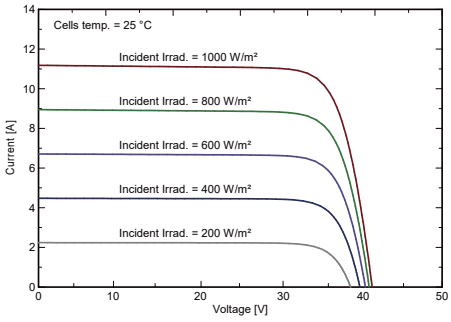
Temperature Characteristics

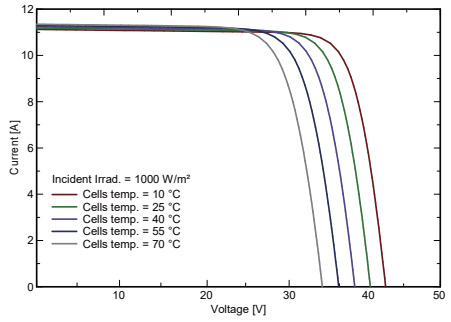
Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.27 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40～+85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

Mechanical Specifications

External Dimensions	1755 x 1038 x 35 mm
Weight	19.5 kg
Solar Cells	PERC Mono (120 pcs)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminum alloy
Junction Box	IP68,3 diodes
Output Cables	4.0 mm², 250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400Pa / Rear side 2400Pa

I-V Curve





Packing Configuration

	1755 x 1038x 35 mm	
Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	6	24
Pieces per Container	186	744

For details, please consult SEG.

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

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