

SIV SERIES

Small Changes, Big Accomplishments







525-540W



● 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
-  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

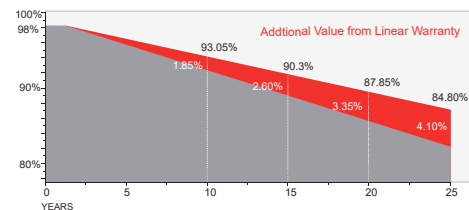
● PRODUCT CERTIFICATION



● INSURANCE



● WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



Electrical Characteristics

| Module Type | SRP-525-BMA-HV | | SRP-530-BMA-HV | | SRP-535-BMA-HV | | SRP-540-BMA-HV | |
|------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power at STC (Pmp) | 525 | 395 | 530 | 399 | 535 | 402 | 540 | 406 |
| Open Circuit Voltage (Voc) | 49.20 | 45.90 | 49.33 | 46.03 | 49.40 | 46.09 | 49.50 | 46.18 |
| Short Circuit Current (Isc) | 13.50 | 10.91 | 13.60 | 10.99 | 13.70 | 11.08 | 13.81 | 11.16 |
| Maximum Power Voltage (Vmp) | 40.78 | 38.22 | 41.03 | 38.27 | 41.29 | 38.33 | 41.55 | 38.39 |
| Maximum Power Current (Imp) | 12.88 | 10.35 | 12.92 | 10.42 | 12.96 | 10.50 | 13.00 | 10.59 |
| Module Efficiency at STC(ηm) | 20.31 | | 20.51 | | 20.70 | | 20.89 | |
| Power Tolerance | (0, +3%) | | | | | | | |
| 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 | -0.35 %/°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 |

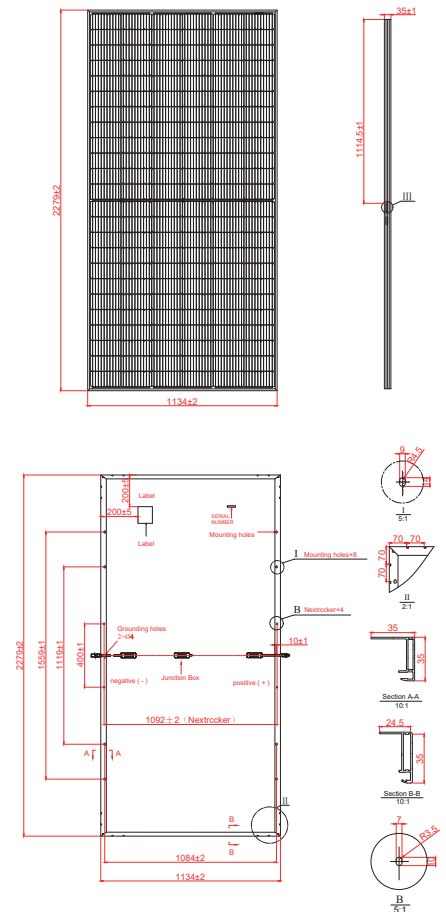
Mechanical Specifications

| | |
|---------------------|-------------------------------------------------------------|
| External Dimensions | 2279x1134x35 mm |
| Weight | 27 kg |
| Solar Cells | PERC Mono (144pcs) |
| 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 |
| Mechanical Load | Front side 5400Pa/ Rear side 2400Pa |

Packing Configuration

| | 2279x1134x35 mm | |
|-----------------------|-----------------|-------|
| Container | 20'GP | 40'HQ |
| Pieces per Pallet | 31+4* | 31 |
| Pallets per Container | 4 | 20 |
| Pieces per Container | 140 | 620 |

* 31+4 pieces per pallet is the special package which only suits for container transport.
For details, please consult SERAPHIM.



I-V Curve

