



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
-  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

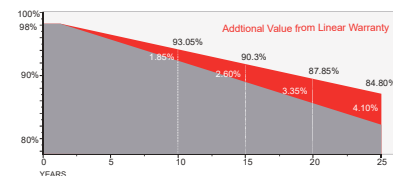
● PRODUCT CERTIFICATION



● INSURANCE



● WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



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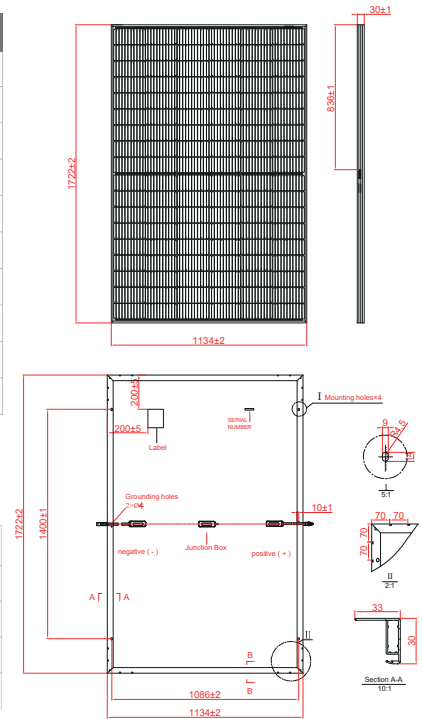
Electrical Characteristics

| 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, +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 | 1722 x 1134 x 30 mm |
| Weight | 21.5 kg |
| Solar Cells | PERC Mono (108 pcs) |
| 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

| Container | 1722 x 1134 x 30 mm | |
|-----------------------|---------------------|-------|
| | 20'GP | 40'HQ |
| Pieces per Pallet | 36+4* | 36 |
| Pallets per Container | 6 | 26 |
| Pieces per Container | 240 | 936 |

* 36+4 pieces per pallet is the special package which only suits for container transport.
For details, please consult SERAPHIM.

I-V Curve

