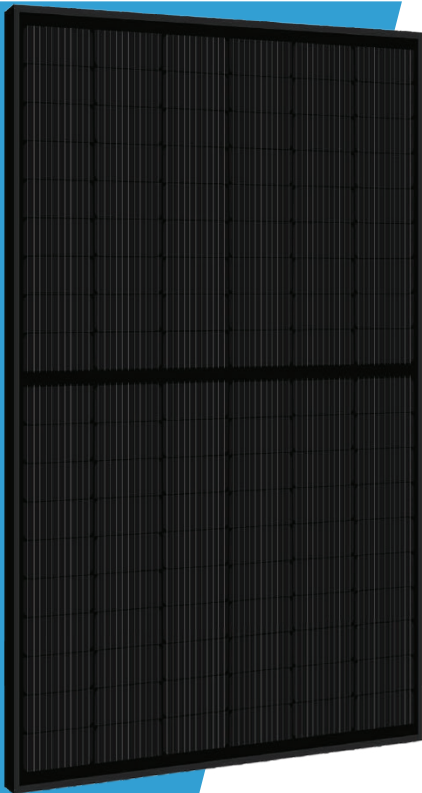


Module HC 108M

400-410 Watt

Positive power tolerance of 0~+3%
HALF CELL - MONO PERC 108 CELL



KEY FEATURES



Multi Busbar Solar Cell

Multi busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Efficiency

Higher module conversion efficiency (up to 20.38%) benefit from half cell structure (low resistance characteristic).



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

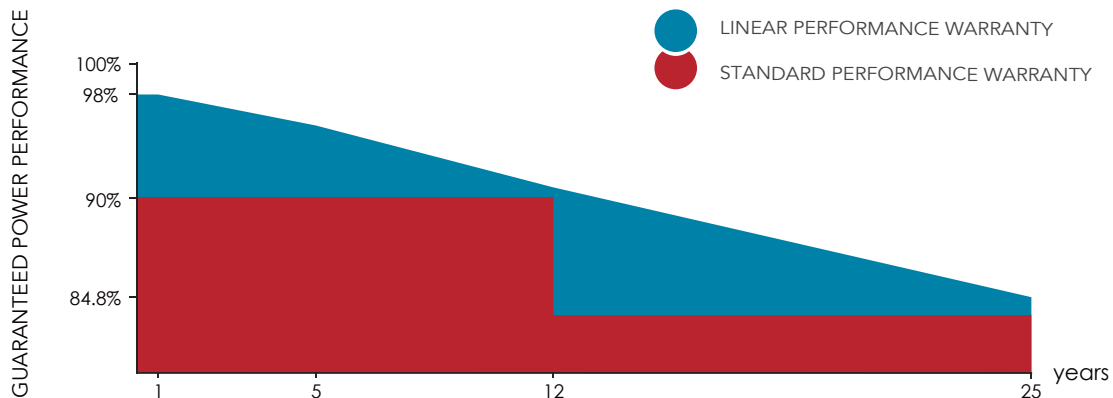


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 25 Year Linear Power Warranty

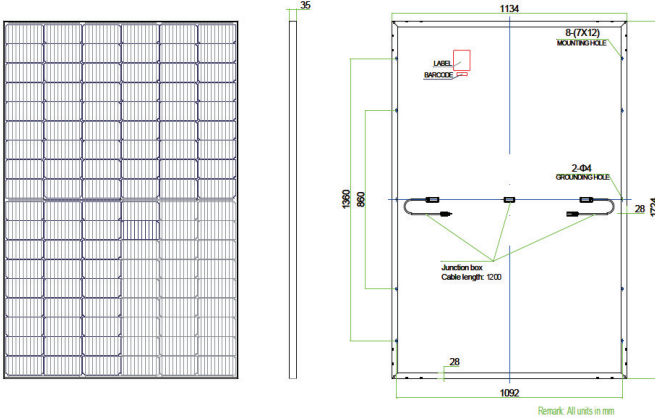


ISO9001:2015 certified factory

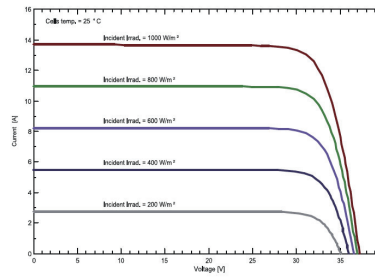
UL61730 certified product

ENGINEERING DRAWINGS

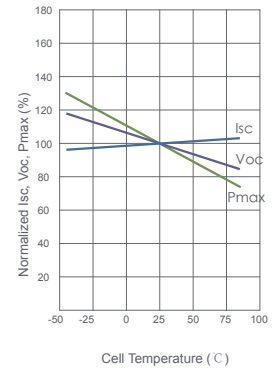
ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



Current-Voltage & Power-Voltage Curves (40v0W)



Temperature Dependence of Isc, Voc, Pmax



PACKAGING CONFIGURATION

(Two pallets = One stack)

31pcs/pallet , 62pcs/stack, 868pcs/53FT Truck

MECHANICAL CHARACTERISTICS

| | |
|---------------------|---|
| Cell Type | Mono PERC 182x91mm |
| No. of Half-cells | 108 (6x18) |
| Dimensions | 1724x1134x35mm (67.87x44.64x1.37 inch) |
| Weight | 21.5 kg (47.4 lbs) |
| Front Glass | 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 Rated, connector compatible with MC4 |
| Output Cables | TÜV 1x4.0mm ² 450mm, (-) 1200mm or Customized Length |
| Fire rating | UL: Type 1, IEC: Class C |
| Maximum static load | 5400Pa(front side), 2400Pa(back side) |

SPECIFICATIONS

| Module Type | SE-182*91-400M-108N | | SE-182*91-405M-108N | | SE-182*91-410M-108N | |
|---|---------------------|-------|---------------------|-------|---------------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 400W | 300W | 405W | 304W | 410W | 308W |
| Maximum Power Voltage (Vmp) | 31.06 | 28.90 | 31.21 | 29.04 | 31.35 | 29.20 |
| Maximum Power Current (Imp) | 12.88 | 10.39 | 12.98 | 10.47 | 13.08 | 10.55 |
| Open-circuit Voltage (Voc) | 36.83 | 35.01 | 36.98 | 35.16 | 37.12 | 35.29 |
| Short-circuit Current (Isc) | 13.76 | 11.09 | 13.86 | 11.18 | 13.96 | 11.26 |
| Module Efficiency STC (%) | 20.46% | | 20.72% | | 20.97% | |
| Operating Temperature (°C) | -40°C ~ +85°C | | | | | |
| Maximum System Voltage | 1500V DC (IEC) | | | | | |
| Maximum Series Fuse Rating | 20A | | | | | |
| Power Tolerance | 0~+3% | | | | | |
| Temperature Coefficients of Pmax | -0.35%/°C | | | | | |
| Temperature Coefficients of Voc | -0.29%/°C | | | | | |
| Temperature Coefficients of Isc | 0.048%/°C | | | | | |
| Nominal Operating Cell Temperature (NOCT) | 45±2°C | | | | | |

STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5

NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌬 Wind Speed 1m/s

* Power measurement tolerance: ± 3%