



400-410 Watt Module HC 108

Mono Perc Half Cell Black Module

SE-182*91-XXXM-108

Complete System and Product Certifications

IEC 61215, IEC 61730, IEC 61701, UL 61730
ISO 9001:2015:ISO Quality Management System
ISO 14001:2015:ISO Environment Management System
ISO 45001:2018 :Occupational Health and Safety



KEY FEATURES



Multi Busbar Solar Cell



High Efficiency



PID Resistance



Low-light Performance

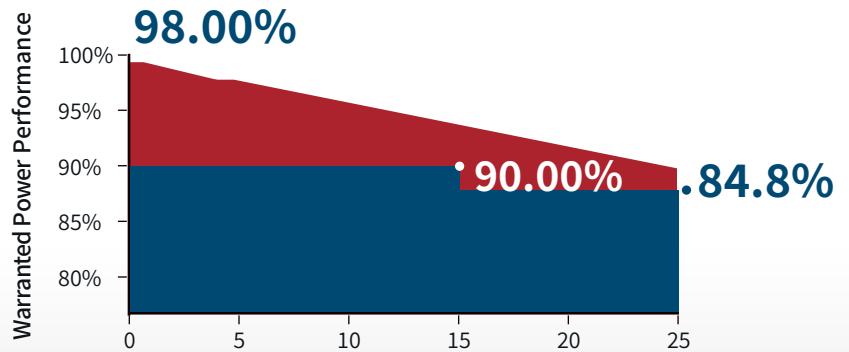


Severe Weather Resilience



Durability Against Extreme Environmental Conditions

LINEAR PERFORMANCE WARRANTY

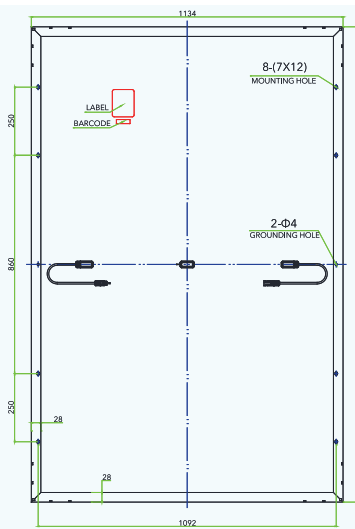
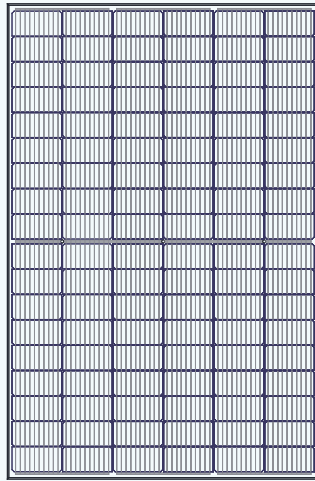


- Linear performance warranty
- Standard performance warranty
- ⚙️ Up to 25-Year Product Warranty
- ⚙️ 25-Year Linear Power Warranty

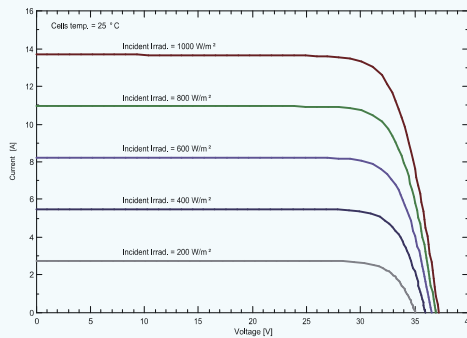


PACKAGING CONFIGURATION
(Two pallets = One stack)

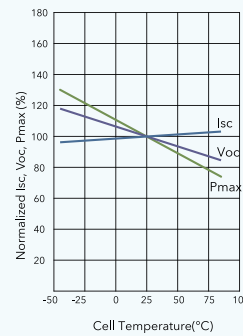
31pcs/pallet , 62pcs/stack, 899pcs/53FT Truck



Current-Voltage & Power-Voltage



Temperature Dependence of Isc, Voc, Pmax



Mechanical Parameters

| | |
|--------------------|---|
| Cells | Mono PERC 182x91 mm |
| Cell Orientation | 108[6x18] |
| Dimension | 1724x1134x35mm (67.87x44.64x1.37 inch) |
| Weight | 21.5 kg (47.4 lbs) |
| Front / Back 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 Cable | TÜV 1x4 0mm |
| Cable Length | 450mm, (-) 1200mm or Customized Length |
| Wind /Snow Load | 5400Pa/2400Pa |
| Fire Rating | UL: Type 1, IEC:Class C |
| Packaging | 31pcs/pallet , 62pcs/stack, 899pcs/53FT Truck |

Temperature Parameters

| | |
|--------------------------------|-----------|
| Temperature Coefficient (Pmax) | -0.35%/°C |
| Temperature Coefficient (Voc) | -0.29%/°C |
| Temperature Coefficient (Isc) | 0.048%/°C |
| NMOT | 45±2°C |

Maximum Ratings

| | |
|----------------------------|----------------|
| Operational Temperature | -40°C~+85°C |
| Maximum System Voltage | 1500V DC (IEC) |
| Maximum Series Fuse Rating | 25 A |
| Power Output Tolerance | 0~+3% |

Electrical Characteristics(STC)

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass1.5, Measuring Tolerance: ±3%

| | | | |
|---------------------------------|-------|-------|-------|
| Maximum Power:Pmax[W] | 400 | 405 | 410 |
| Open Circuit Voltage:Voc[V] | 36.83 | 36.98 | 37.12 |
| Short Circuit Current:Isc[A] | 13.76 | 13.86 | 13.96 |
| Voltage at Maximum Power:Vmp[V] | 31.06 | 31.21 | 31.35 |
| Current at Maximum Power:Imp[A] | 12.88 | 12.98 | 13.08 |
| Module Efficiency: η [%] | 20.46 | 20.72 | 20.97 |

Electrical Characteristics(NMOT)

NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s

| | | | |
|---------------------------------|-------|-------|-------|
| Maximum Power:Pmax[W] | 300 | 304 | 308 |
| Open Circuit Voltage :Voc[V] | 35.01 | 35.16 | 35.29 |
| Short Circuit Current :Isc[A] | 11.09 | 11.18 | 11.26 |
| Voltage at Maximum Power:Vmp[V] | 28.90 | 29.04 | 29.20 |
| Current at Maximum Power:Imp[A] | 10.39 | 10.47 | 10.55 |