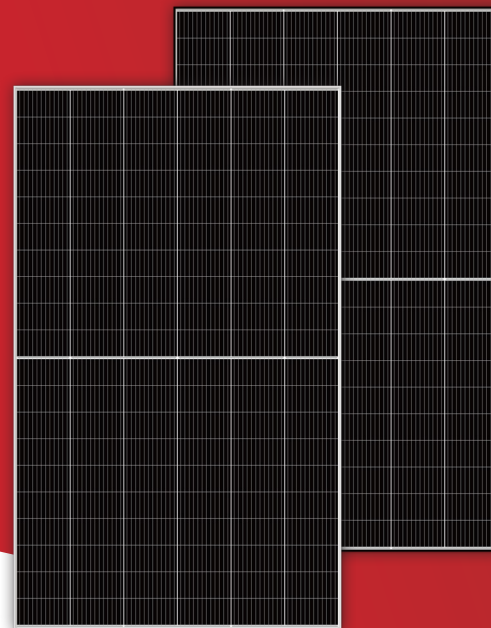


Zosma™ L

585-605W

High Efficiency Half-Cell Mono PERC Module



Excellent low irradiance performance



Better light trapping and current collection to improve module power output and reliability



Industry-leading, lowest thermal coefficient



Optimized electrical design and lower operating current for reduced hot spot loss and better temperature



Certified to withstand 2400 Pa of wind load and 5400 Pa of snow load



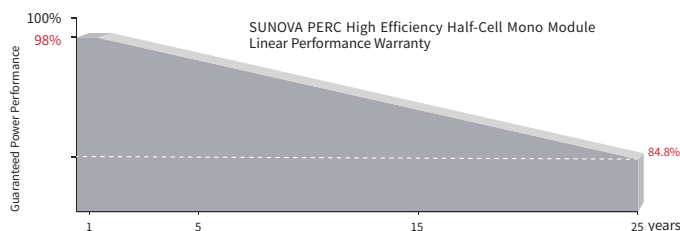
100% triple EL test, which greatly reduces the hidden cracks rate

PERFORMANCE INSURANCE



* Optional performance warranty insurance. Please contact our local sales representatives for more information.

LINEAR PERFORMANCE WARRANTY



15 years

Product quality & process guarantee

25 years

Linear power guarantee

0.55 %

Annual Degradation Over 25 years

COMPREHENSIVE CERTIFICATES



IEC61215/IEC61730/IEC61701/IEC62716/
IEC62804/IEC60068/UL61730

ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

ISO 45001: International Occupational Health and Safety Assessment System Standard

SA 8000: 2014 Social Accountability Management System

* Different markets have different certification requirements. Also, the products are under rapid innovation. Please confirm the certification status with regional sales representatives.

ELECTRICAL CHARACTERISTICS

| Model of modules | SS-585-60MDH-G12 | | SS-590-60MDH-G12 | | SS-595-60MDH-G12 | | SS-600-60MDH-G12 | | SS-605-60MDH-G12 | |
|--------------------------------------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum power — P_{mp} (W) | 585 | 436 | 590 | 440 | 595 | 443 | 600 | 447 | 605 | 451 |
| Open-circuit voltage — V_{oc} (V) | 40.91 | 38.62 | 41.12 | 38.82 | 41.31 | 38.99 | 41.52 | 39.19 | 41.72 | 39.38 |
| Short-circuit current — I_{sc} (A) | 18.37 | 14.84 | 18.42 | 14.88 | 18.47 | 14.92 | 18.52 | 14.96 | 18.57 | 15.00 |
| Maximum power voltage — V_{mp} (V) | 33.82 | 31.66 | 34.01 | 31.84 | 34.22 | 32.03 | 34.42 | 32.22 | 34.61 | 32.40 |
| Maximum power current — I_{mp} (A) | 17.30 | 13.77 | 17.35 | 13.81 | 17.39 | 13.84 | 17.44 | 13.88 | 17.49 | 13.92 |
| Module efficiency — η_m (%) | 20.67 | | 20.85 | | 21.02 | | 21.20 | | 21.38 | |
| Power tolerance (W) | (0,+5) | | | | | | | | | |
| Maximum system voltage (V) | 1500 | | | | | | | | | |
| Maximum rated fuse current (A) | 30 | | | | | | | | | |
| Current operating temperature (°C) | -40~+85 °C | | | | | | | | | |

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

STRUCTURAL CHARACTERISTICS

| | |
|---------------------------|--|
| Module dimensions (L*W*H) | 2172 x 1303 x 35 mm |
| Weight | 30.9 kg |
| Number of cells | 120 cells |
| Cell | PERC Monocrystalline |
| Glass | Tempered, 3.2 mm AR, High transmittance, Low iron |
| Frame | Anodized aluminum alloy (Silver/Black) |
| Junction box | IP68, 3 bypass diodes |
| Output wire | 4.0 mm ² , wire length: 300mm/1200mm/customized |
| Connector | MC4 Compatible |
| Mechanical load | Snow load: 5400 Pa / Wind load: 2400 Pa |

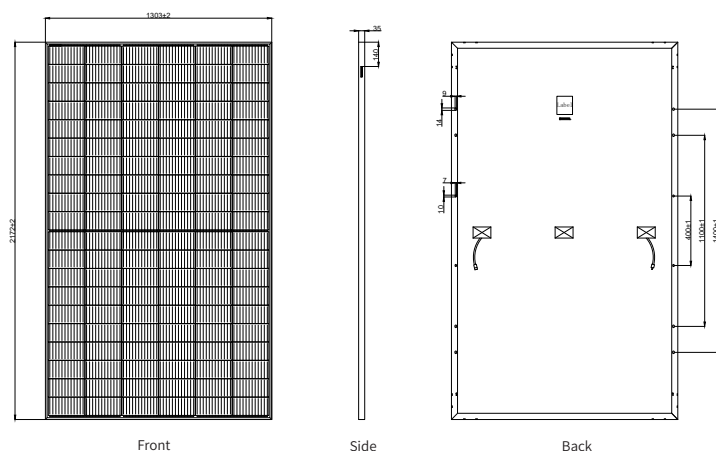
TEMPERATURE RATINGS

| | |
|---------------------------------------|------------|
| Temperature coefficient (P_{max}) | -0.33 %/°C |
| Temperature coefficient (V_{oc}) | -0.26 %/°C |
| Temperature coefficient (I_{sc}) | +0.06 %/°C |
| Nominal operating cell temperature | 43±2 °C |

PACKAGING CONFIGURATION

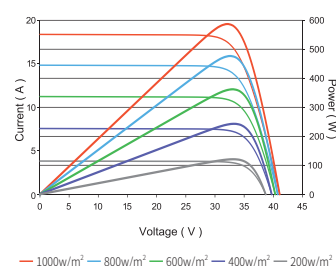
| | |
|--------------------|------|
| Container | 40HQ |
| Quantity/pallet | 31 |
| Pallets/container | 18 |
| Quantity/container | 558 |

MODULE DIMENSIONS (MM)



* The unmarked tolerance is ±1 mm
Length shown in mm

Current-Voltage & Power-Voltage Curves (595W)



Temperature Dependence of I_{sc} , V_{oc} , P_{max}

