

# SLN-72G1

## Mono PERC 390-400W



Excellent low irradiance performance.



Resistance to power attenuation passed System Voltage durability



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



Industry leading lowest thermal co-efficient of power.



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

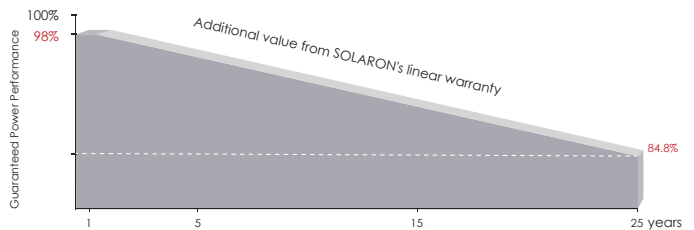


coefficient. Certified to withstand: wind load (2400 Pa) and snow load (3600 Pa).



100% triple EL test enabling remarkable reduction of hidden crack rate of modules

### LINEAR PERFORMANCE WARRANTY



**12** years

Product warranty

**25** years

Power Warranty

**0.55** %

Annual Degradation Over 25 years

### COMPREHENSIVE CERTIFICATES



ISO 9001:Quality Management System

ISO 14001:Environmental Management System Standard

OHSAS 18001:International Standard for Occupational Health and Safety Assessment System



\* Different markets have different certification requirements. Also, the products are under rapid innovation.

ELECTRIC CHARACTERISTICS

| Model of modules                     | SLN-72G1 Mono PERC 390 |       | SLN-72G1 Mono PERC 395 |       | SLN-72G1 Mono PERC 400 |       |
|--------------------------------------|------------------------|-------|------------------------|-------|------------------------|-------|
|                                      | STC                    | NMOT  | STC                    | NMOT  | STC                    | NMOT  |
| Maximum power — $P_{mp}$ (W)         | 390                    | 291   | 395                    | 298   | 400                    | 305   |
| Open-circuit voltage — $V_{oc}$ (V)  | 49.34                  | 46.34 | 49.55                  | 46.51 | 49.62                  | 46.70 |
| Short-circuit current — $I_{sc}$ (A) | 10.11                  | 8.20  | 10.18                  | 8.27  | 10.24                  | 8.35  |
| Maximum power voltage — $V_{mp}$ (V) | 40.60                  | 37.50 | 40.81                  | 37.70 | 41.02                  | 37.90 |
| Maximum power current — $I_{mp}$ (A) | 9.62                   | 7.62  | 9.75                   | 7.75  | 9.84                   | 7.84  |
| Module efficiency — $\eta_m$ (%)     | 19.66%                 |       | 19.91%                 |       | 20.4%                  |       |
| Power production tolerance (W)       | (0, +3)                |       |                        |       |                        |       |
| Maximum system voltage (V)           | 1500                   |       |                        |       |                        |       |
| Maximum rated fuse current (A)       | 20                     |       |                        |       |                        |       |
| Current operating temperature (°C)   | -40~+85 °C             |       |                        |       |                        |       |

STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 °C, Spectra at AM1.5: according to IEC 60904-3

NMOT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

\*Specifications are subject to change without notice \*Voc, Isc production tolerance ±3%

STRUCTURAL CHARACTERISTICS

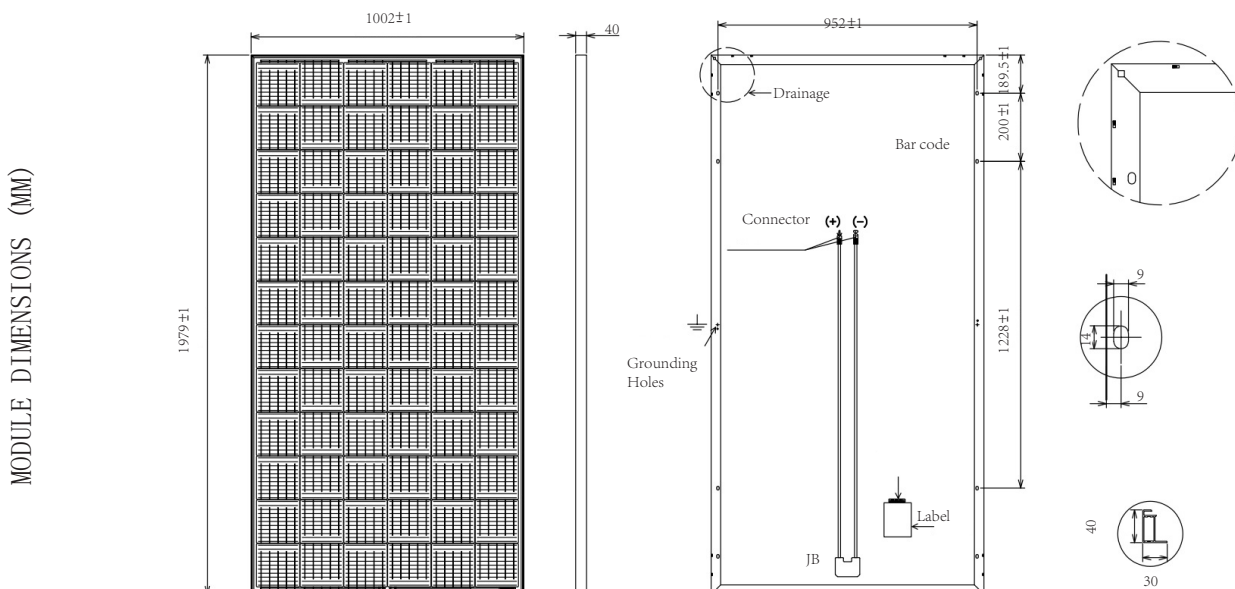
|                           |  |
|---------------------------|--|
| Module dimensions (L*W*H) | 1979 x 1002 x 40 mm (77.91 x 39.45 x 1.58 inch)            |
| Weight                    | 23 kg (50.70 lbs)  |
| Number of cells           | 72 cells   |
| Cell                      | PERC Monocrystalline 158.75x158.75 mm (6.25 x 6.25 inch)   |
| Glass                     | Tempered, 3.2 mm AR, High transmittance, Low iron          |
| Frame                     | Anodized aluminum alloy                                    |
| Junction box              | IP68, 1500DC, 3 Bypass diodes                              |
| Output wire               | 4.0 mm <sup>2</sup> , wire length:1200mm (customer demand) |
| Connector                 | MC4 Compatible, IP67                                       |

TEMPERATURE CHARACTERISTICS

|                                       |            |
|---------------------------------------|------------|
| Temperature coefficient ( $P_{max}$ ) | -0.37 %/°C |
| Temperature coefficient ( $V_{oc}$ )  | -0.34 %/°C |
| Temperature coefficient ( $I_{sc}$ )  | +0.06 %/°C |
| Nominal operating cell temperature    | 43°C ±2°C  |

PACKAGING CONFIGURATION

|                    |      |
|--------------------|------|
| Container          | 40HQ |
| Quantity/pallet    | 27   |
| Pallets/container  | 24   |
| Quantity/container | 648  |



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