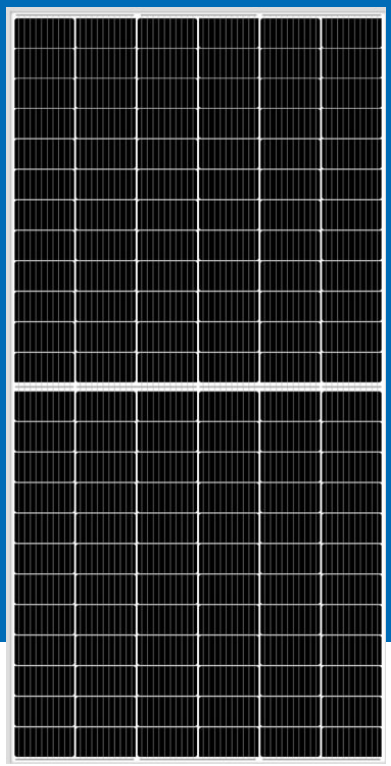
SOLARON
CONNECT TO THE SUN

SLN-144 Half Cut G1
Mono PERC 395-405W



Excellent low irradiance performance.

PID FREE

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.

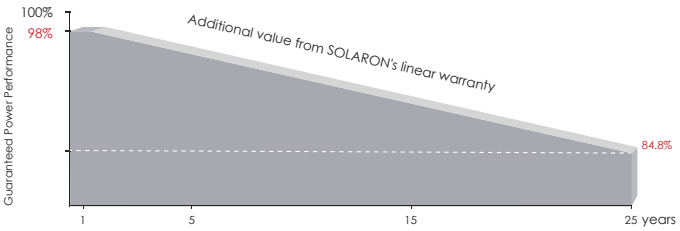
Optimized electrical design and lower operating current for reduced hot spot loss and better temperature

2400Pa/5400Pa

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

TÜV INTERCERT SAAR

QR CODE

ISO 9001:Quality Management System

ISO 14001:Environmental Management System Standard

OHSAS 18001:International Standart for Occupational Health and Sagety Assessment System

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

ELECTRIC CHARACTERISTICS

144 cells

Model of modules	SLN-144 Half Cut G1 Mono PERC 395		SLN-144 Half Cut G1 Mono PERC 400		SLN-144 Half Cut G1 Mono PERC 405	
	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power — P_{mp} (W)	395	296	400	301	405	306
Open-circuit voltage — V_{oc} (V)	48.60	45.66	48.89	45.95	49.08	46.14
Short-circuit current — I_{sc} (A)	10.15	8.24	10.21	8.30	10.22	8.32
Maximum power voltage — V_{mp} (V)	40.85	37.85	41.23	38.23	41.46	38.46
Maximum power current — I_{mp} (A)	9.69	7.71	9.73	7.75	9.78	7.80
Module efficiency — η_m (%)	19.63%		19.88%		20.13%	
Power production tolerance (W)	(0,+3)					
Maximum system voltage (V)	1500					
Maximum rated fuse current (A)	20					
Current operating temperature (℃)	-40~+85 ℃					

STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature 25 ℃, Spectra at AM1.5: according to IEC 60904-3
NMOT (Nominal Operating Cell Temperature): Irradiance 800W/m^2, Ambient Temperature 20℃, 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)	2008 x 1002 x 40 mm (79.05 x 39.45 x 1.58 inch)
Weight	23 kg (50.70 lbs)
Number of cells	144 cells
Cell	PERC Monocrystalline 158.75x79.37 mm (6.25 x 3.12 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^2, wire length:1200mm (customer demand)
Connector	MC4 Compatible, IP67

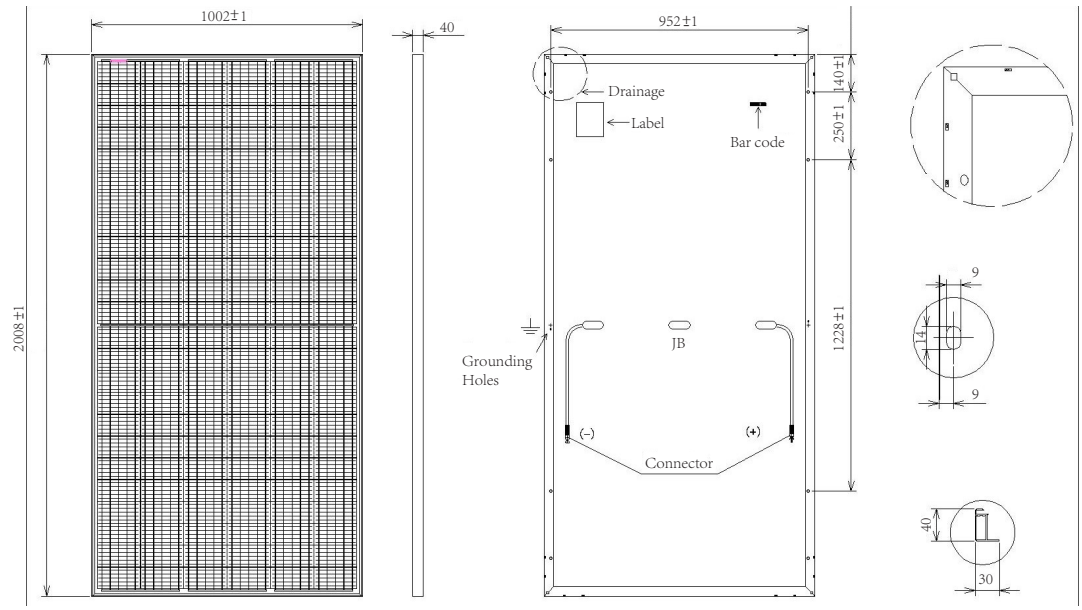
TEMPERATURE CHARACTERISTICS

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

PACKAGING CONFIGURATION

Container	40HQ
Quantity/pallet	27
Pallets/container	20
Quantity/container	540

MODULE DIMENSIONS (MM)



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