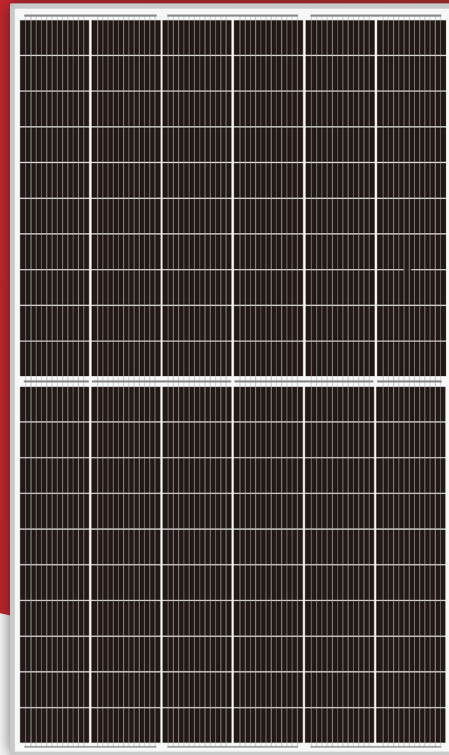


HI-C ILO

590-605W

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 co-efficient of power.



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

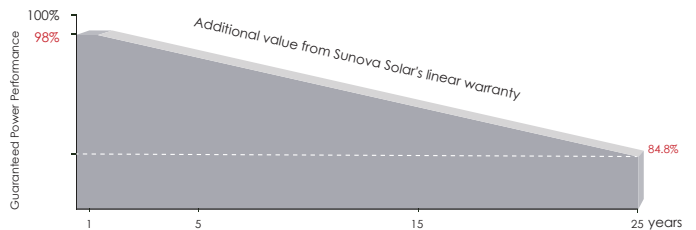


Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).



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

LINEAR PERFORMANCE WARRANTY



15 years

Product quality & process guarantee

25 years

Linear power guarantee

0.55 %

Annual Degradation Over 25 years

COMPREHENSIVE CERTIFICATES



ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

ISO 45001: International Occupational Health and Safety Assessment System Standard

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

PERFORMANCE INSURANCE



ELECTRIC CHARACTERISTICS

Model of modules	SS-590-60MDH-G12		SS-595-60MDH-G12		SS-600-60MDH-G12		SS-605-60MDH-G12	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — P_{mp} (W)	590	447	595	451	600	454	605	458
Open-circuit voltage — V_{oc} (V)	41.12	38.72	41.31	38.91	41.52	39.12	41.72	39.31
Short-circuit current — I_{sc} (A)	18.42	14.85	18.47	14.88	18.52	14.92	18.57	14.96
Maximum power voltage — V_{mp} (V)	34.01	31.73	34.22	31.93	34.42	32.02	34.61	32.21
Maximum power current — I_{mp} (A)	17.35	14.09	17.39	14.13	17.44	14.18	17.49	14.22
Module efficiency — η_m (%)	20.8%		21.0%		21.2%		21.4%	
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 (85.51 x 51.30 x 1.38 inch)
Weight	30.9 kg (68.12 lbs)
Number of cells	120 cells
Cell	PERC Monocrystalline 210x105 mm (8.27 x 4.13 inch)
Glass	Tempered, 3.2 mm AR, High transmittance, Low iron
Frame	Anodized aluminum alloy
Junction box	IP68
Output wire	4.0 mm ² , wire length: 300mm/customized
Connector	MC4 Compatible
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa

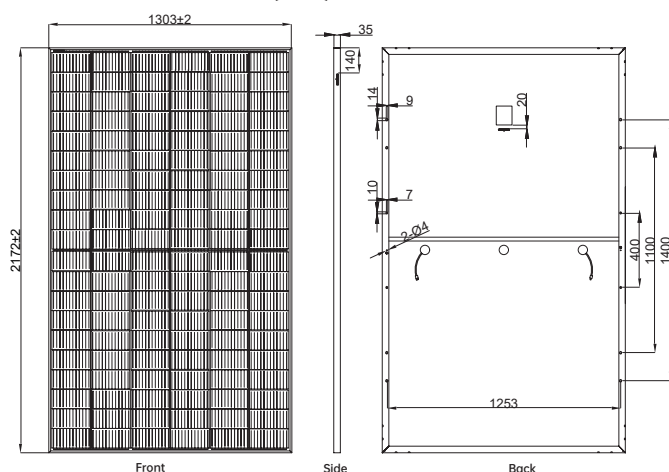
TEMPERFORMANCE RATINGS

Temperature coefficient (P_{max})	-0.34 %/°C
Temperature coefficient (V_{oc})	-0.25 %/°C
Temperature coefficient (I_{sc})	+0.04 %/°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

