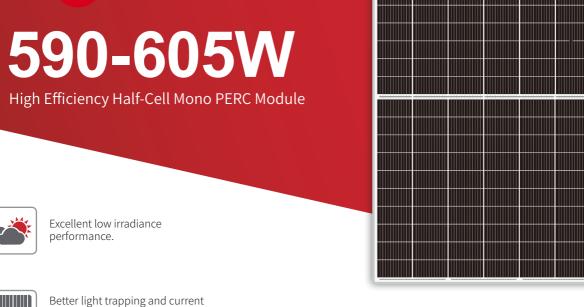


HI- G ILO







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

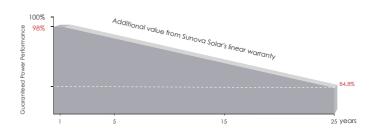
PERFORMANCE INSURANCE







LINEAR PERFORMANCE WARRANTY



Product quality & process guarantee Linear power guarantee

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.

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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 $-\eta_{m}$ (%)	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 mm², wire length: 300mm/customized		
Connector	MC4 Compatible		
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa		

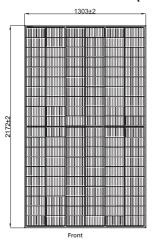
TEMPERFORMANCE RATINGS

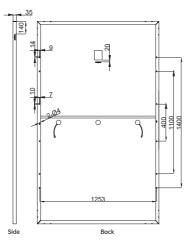
Temperature coefficient (P _{max})	-0.34 %/°C
Temperature coefficient (V _{oc})	-0.25 %/°C
Temperature coefficient (I _{sc})	+0.04 %/°C
Nominal operating cell temperature	43±2°C

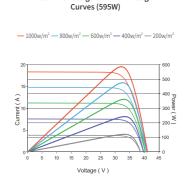
PACKAGING CONFIGURATION

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

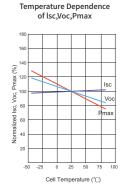
MODULE DIMENSIONS (MM)







Current-Voltage & Power-Voltage



Length shown in mm

SUNOVA SOLAR

Leading one-stop PV Supplier

E-mail: info@sunova-solar.com

*The technical parameters contained in this datasheet may deviate slightly, Sunova Solar does not guarantee that they are completely accurate. Varying optional data could be for different regions or prices. Please contact commercial people for confirmation. Due to continuous innovation, research and development and product improvement, Sunova Solar reserves the right to adjust the information in this datasheet at any time without prior notice. The customer should obtain the latest verified not of datasheet when signing the contract and make it an integral part of the binding contract signed by both parties. The Chinese (or other language) translation files of this datasheet are for reference only. If there is any inconsistency between the English version and the Chinese version (or other language) versions), the English version shall prevail.

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^{*} The unmarked tolerance is ±1 mm