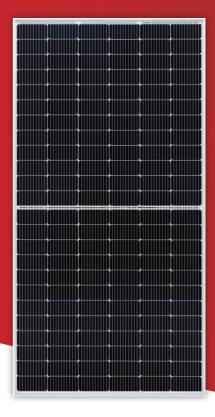


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# н<sub>1</sub>-М ісо 540-555W

High Efficiency Half-Cell Mono PERC Module (30 mm Frame)





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

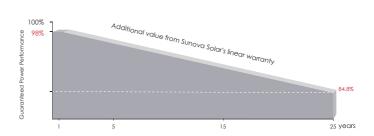
## PERFORMANCE INSURANCE







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

Safety Assessment System Standard

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

#### **ELECTRIC CHARACTERISTICS**



Model of modules	SS-540-72MDH		SS-545-72MDH		SS-550-72MDH		SS-555-72MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — P <sub>mp</sub> (W)	540	402	545	406	550	410	555	414
Open-circuit voltage − V <sub>oc</sub> (V)	49.42	46.65	49.51	46.74	49.60	46.82	49.68	46.93
Short-circuit current $-I_{sc}(A)$	13.85	11.19	13.94	11.27	14.04	11.35	14.13	11.42
Maximum power voltage − V <sub>mp</sub> (V)	40.71	38.11	40.76	38.19	40.83	38.25	40.89	38.32
Maximum power current $-I_{mp}$ (A)	13.27	10.56	13.38	10.64	13.48	10.73	13.58	10.81
Module efficiency $-\eta_{m}$ (%)	20.9%		21.1%		21.3%		21.5%	
Power tolerance (W)	(0,+5)							
Maximum system voltage (V)	1500							
Maximum rated fuse current (A)	25							
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)	2278 x 1134 x 30 mm	
Weight	27.6 kg	
Number of cells	144 cells	
Cell	PERC Monocrystalline 182x91 mm	
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	
Connector	MC4 Compatible	
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa	

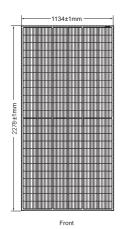
#### **TEMPERFORMANCE RATINGS**

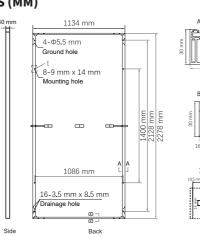
Temperature coefficient (P <sub>max</sub> )	-0.35 %/°C
Temperature coefficient (V <sub>oc</sub> )	-0.27 %/°C
Temperature coefficient (I <sub>sc</sub> )	+0.048 %/°C
Nominal operating cell temperature	45±2°C

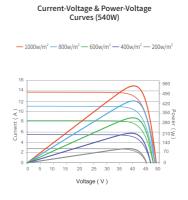
#### **PACKAGING CONFIGURATION**

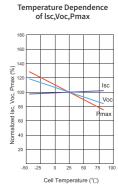
Container	40HQ
Quantity/pallet	36
Pallets/container	20
Quantity/container	720

### **MODULE DIMENSIONS (MM)**











Web: www.sunova-solar.com

E-mail: info@sunova-solar.com

\* The technical parameters contained in this datasheet may deviate slightly, and Sunova does not guarantee that they are completely accurate. Due to continuous innovation, research and development and product improvement, Sunova reserves the right to adjust the information in this datasheet at any time without prior notice. The customer should obtain the latest version 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) terms on shall prevail.

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