



HI-M[°]ILO

535-550W

High Efficiency Half-Cell Mono PERC Module



Half-cut cell technology
New circuit design,
lower internal current,
lower Rs loss



Special circuit design
with much lower hot spot
temperature



Fire safety
(Class C, certified to TÜV
Rheinland and Rheinland
test standards)



Resistance to power
attenuation passed TÜV
Rheinland system voltage
endurance test

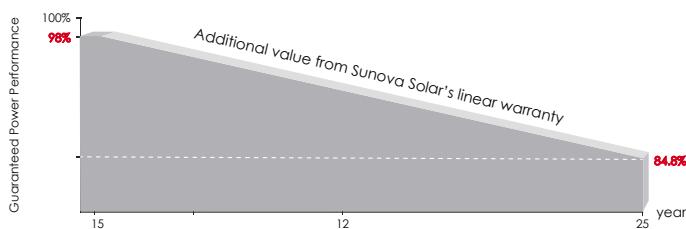


Resistance to salt-spray
corrosion
(IEC61701, certified to TÜV
Rheinland test standard)



100% double 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

OHSAS 18001: International Occupational Health and Safety Assessment System Standard

PRODUCT INSURANCE



SS-550-72MTF 144 cells

ELECTRIC CHARACTERISTICS

Model of modules	SS-535-72MTF		SS-540-72MTF		SS-545-72MTF		SS-550-72MTF							
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT						
Maximum power — P_{mp} (W)	535	398	540	402	545	406	550	410						
Open-circuit voltage — V_{oc} (V)	49.34	46.57	49.42	46.65	49.51	46.74	49.60	46.82						
Short-circuit current — I_{sc} (A)	13.79	11.14	13.85	11.19	13.94	11.27	14.04	11.35						
Maximum power voltage — V_{mp} (V)	40.66	37.92	40.71	38.11	40.76	38.19	40.83	38.25						
Maximum power current — I_{mp} (A)	13.16	10.51	13.27	10.56	13.38	10.64	13.48	10.73						
Module efficiency — η_m (%)	20.93%		21.13%		21.32%		21.52%							
Power tolerance (W)	(0,+5)													
Maximum system voltage (V)	1500													
Maximum rated fuse current (A)	25													
Current operating temperature (°C)	-40~+85 °C													

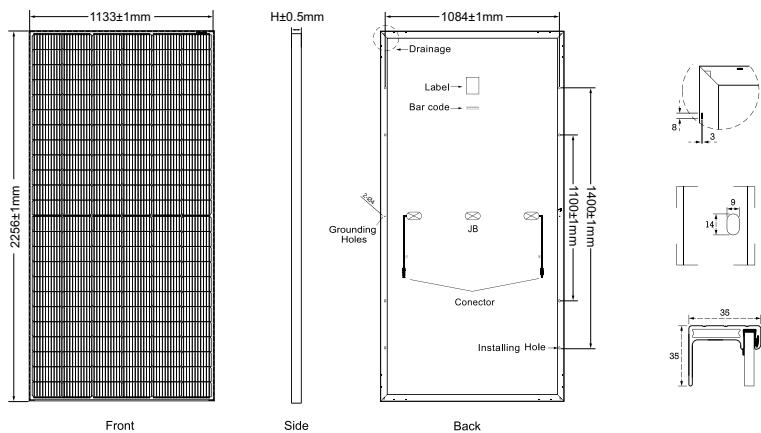
STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C , Spectra at AM1.5

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)	2256 x 1133 x 35 mm
Weight	27.2 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 mm ² , wire length: 300 mm
Connector	MC4 Compatible
Mechanical load	5400 Pa

MODULE DIMENSIONS (mm)



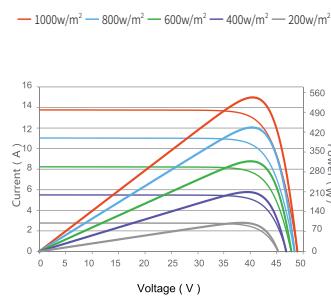
TEMPERATURE RATINGS

Temperature coefficient (P_{max})	-0.35 %/°C
Temperature coefficient (V_{oc})	-0.27 %/°C
Temperature coefficient (I_{sc})	+0.048 %/°C
Nominal operating cell temperature	45±2 °C

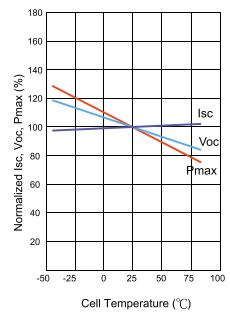
PACKAGING CONFIGURATION

Container	40HQ
Quantity/pallet	31
Pallets/container	20
Quantity/container	620

Current-Voltage & Power-Voltage Curves (540W)



Temperature Dependence of I_{sc} , V_{oc} , P_{max}



Add: 9 Huicheng Road, Huishan District, Wuxi, Jiangsu Province, P.R. China

* Sunova Solar Technology Co., Ltd reserves the right to make any adjustment to the information described herein without further notice. Please contact our company to use the latest version for contract.