



Tierra SERIES
SS-410-72MD

390-410W

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

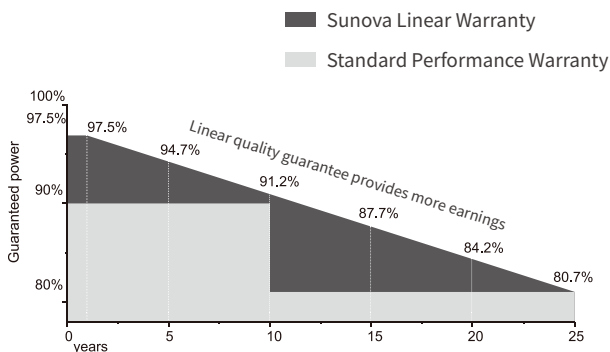


Resistance to salt-spray
corrosion
(IEC61701, certified to TÜV
Rheinland test standard)



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

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-410-72MD 144 cells

ELECTRIC CHARACTERISTICS

Model of modules	SS-390-72MD SS-390-72MDH		SS-395-72MD SS-395-72MDH		SS-400-72MD SS-400-72MDH		SS-405-72MD SS-405-72MDH		SS-410-72MD SS-410-72MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — P_{mp} (W)	390	295	395	299	400	303	405	306	410	310
Open-circuit voltage — V_{oc} (V)	48.11	45.48	48.23	45.61	48.42	45.80	48.71	46.08	48.99	46.35
Short-circuit current — I_{sc} (A)	10.63	8.52	10.70	8.58	10.77	8.63	10.84	8.69	10.91	8.75
Maximum power voltage — V_{mp} (V)	40.19	37.82	40.26	37.91	40.35	37.99	40.42	38.06	40.51	38.14
Maximum power current — I_{mp} (A)	9.71	7.80	9.82	7.89	9.92	7.98	10.04	8.04	10.14	8.13
Module efficiency — η_m (%)	19.38%		19.63%		19.88%		20.13%		20.38%	
Power tolerance (W)	(0,+5)									
Maximum system voltage (V)	1000V/1500V									
Maximum rated fuse current (A)	15									
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)	2008 x 1002 x 35mm
Weight	21.5 kg
Number of half-cells	144 cells (6x24)
Cell	PERC Monocrystalline 158.75x79.38mm
Glass	Tempered, 3.2mm AR, High transmittance, Low iron
Frame	Anodized aluminum alloy
Junction box	IP67
Output wire	4.0 mm ² , wire length: 1200mm or Customized Length
Connector	MC4 Compatible
Mechanical load	5400 Pa

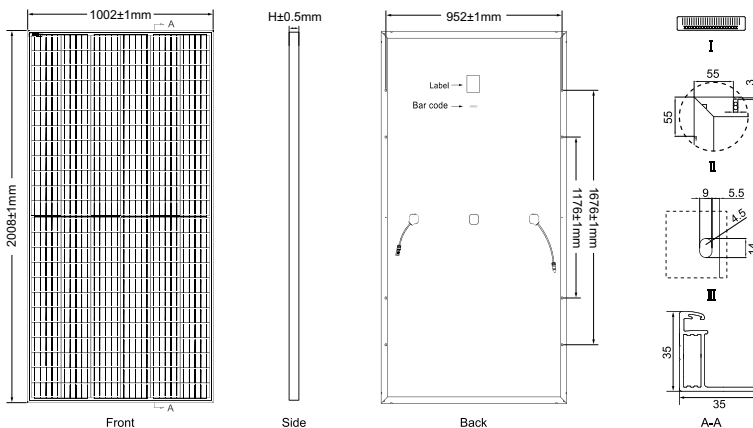
TEMPERATURE RATINGS

Temperature coefficient (P_{max})	-0.36 %/°C
Temperature coefficient (V_{oc})	-0.28 %/°C
Temperature coefficient (I_{sc})	+0.048 %/°C
Nominal operating cell temperature	45±2 °C

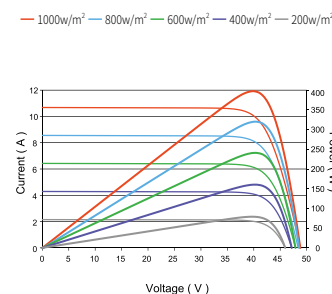
PACKAGING CONFIGURATION

Container	20GP	40HQ
Quantity/pallet	31	31
Pallets/container	10	22
Quantity/container	310	748

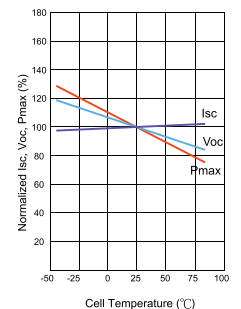
MODULE DIMENSIONS (mm)



Current-Voltage & Power-Voltage Curves (400W)



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



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

E-mail: info@sunova-solar.com

* 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.

