

For a Free Quote:

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

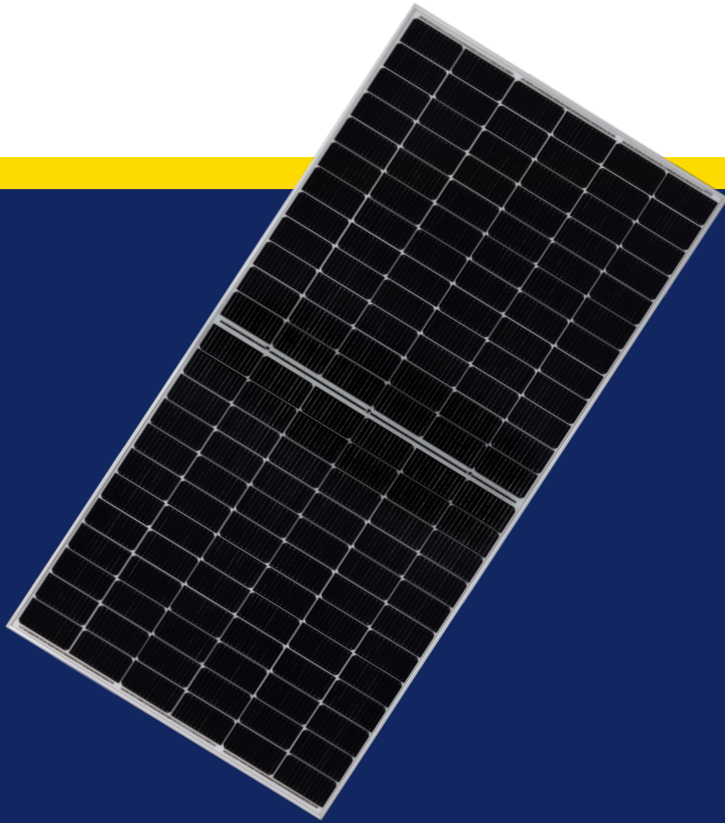
Email: **contact@energypal.com**

EnergyPal

Solar Panel Guide Specification Data Sheet

Sunova Solar Technology Co., Ltd
SS-(390~410)-72MD
SS-410-72MD

Also available on the web at
EnergyPal.com/sunova-solar-technology-co-ltd-solar-panels/ss-410-72md



SS-410-72MD 144cells

390-410W

Management System

ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

OHSAS 18001: International Occupational Health and Safety Assessment System Standard

Safety



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

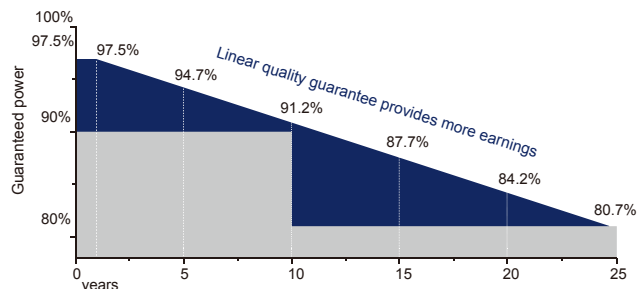


Resistance to ammonia Corrosion (IEC62716, certified to TÜVRheinland test standard)



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

Product Guarantee



12 years

Product quality & process guarantee

25 years

Linear power guarantee

Reliability



Resistance to power attenuation passed TÜVRheinland system voltage endurance test

High performance



Excellent power output of modules in low light environment



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



Product Certification



Product Insurance

PICC

Specifications are subject to change without prior notice

SS-410-72MD 144cells

Electric characteristics

Model of modules	SS-390-72MD		SS-395-72MD		SS-400-72MD		SS-405-72MD		SS-410-72MD	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power— P_{mp} (W)	390W	294W	395W	298W	400W	302W	405W	306W	410W	310W
Open-circuit voltage— V_{oc} (V)	49.3V	48.0V	49.5V	48.2V	49.8V	48.5V	50.1V	48.7V	50.4V	48.9V
Short-circuit current— I_{sc} (A)	10.12A	8.02A	10.23A	8.09A	10.36A	8.16A	10.48A	8.22A	10.60A	8.26A
Maximum power voltage— V_{mp} (V)	41.1V	39.1V	41.4V	39.3V	41.7V	39.6V	42.0V	39.8V	42.3V	40.0V
Maximum power current— I_{mp} (A)	9.49A	7.54A	9.55A	7.60A	9.60A	7.66A	9.65A	7.72A	9.69A	7.76A
Module efficiency— η_m (%)	19.38%		19.63%		19.88%		20.13%		20.38%	

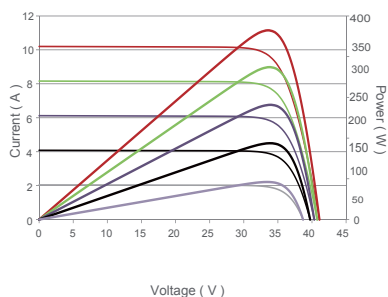
STC : Irradiance 1000 W/m², 25°C, AM1.5

NOCT: Irradiance 800 W/m², 20°C, wind velocity 1m/s

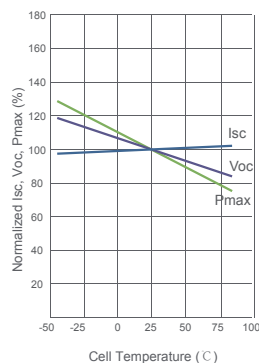
Power tolerance (W)	(0,+3)
Maximum system voltage (V)	1000V/1500V
Maximum rated fuse current (A)	20

Electrical Performance & Temperature Dependence

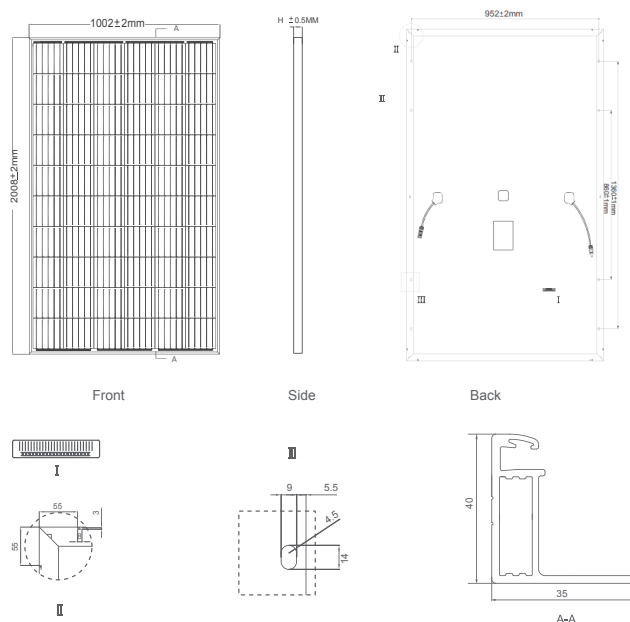
Current-Voltage & Power-Voltage Curves (325W)



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



Engineering Drawings



Temperature characteristics

Temperature coefficient at maximum power	-0.36 %/°C
Temperature coefficient of V_{oc}	-0.28 %/°C
voltage Temperature coefficient of I_{sc}	+0.048%/°C
current Operating temperature	-40~+85°C
Rated operating temperature of cells	45±2°C

Packaging Configuration

Container	20GP	40HC
Quantity/pallet	26	27
Pallets/container	10	22
Quantity/container	260	660

Structural characteristics

Module dimensions	2008 x 1002 x 40mm
Weight	22.5 kg
Cell	Mono PERC 158.75×158.75mm
Glass	3.2mm AR tempered
Frame	Anodized aluminum alloy
Junction box	IP67
Output wire	4.0 mm ² , wire length: 290mm, -145mm or Customized Length
No. of cells	144(6x24)
Mechanical load	5400 Pa

Specifications are subject to change without prior notice