

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

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

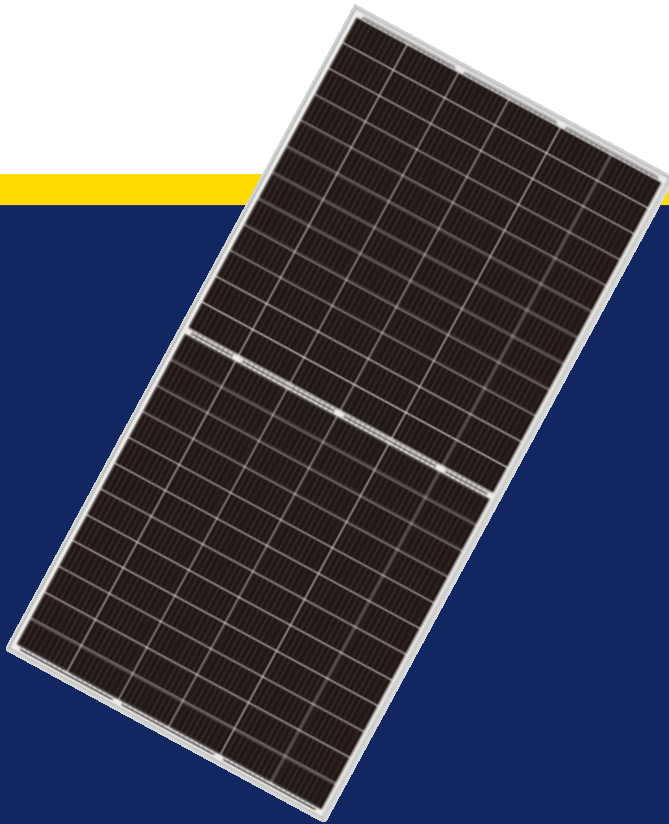
**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Sunova Solar Technology Co., Ltd**  
**SS-(395~410)-72MDX9**  
**SS-400-72MDX9**

Also available on the web at  
[EnergyPal.com/sunova-solar-technology-co-ltd-solar-panels/ss-400-72mdx9](http://EnergyPal.com/sunova-solar-technology-co-ltd-solar-panels/ss-400-72mdx9)



# SS-410-72MDX9

# 395-410W

## Management System

ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

OHSAS 18001: International Occupational Health and Safety Assessment System Standard



### Half-cut cell technology

New circuit design, lower internal current, lower Rs loss



### Significantly lower the risk of hot spot

Special circuit design with much lower hot spot temperature



Resistance to power attenuation passed TÜVRheinland system voltage endurance test

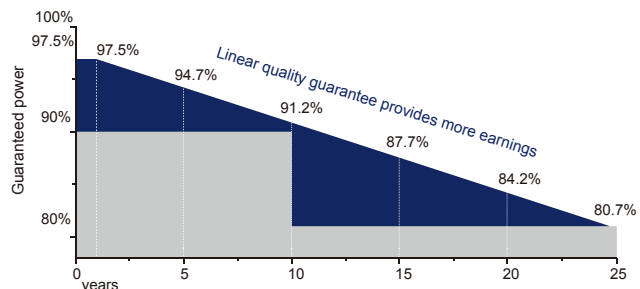


Resistance to salt-spray corrosion (IEC61701, certified to TÜVRheinland test standard)



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

## Product Guarantee

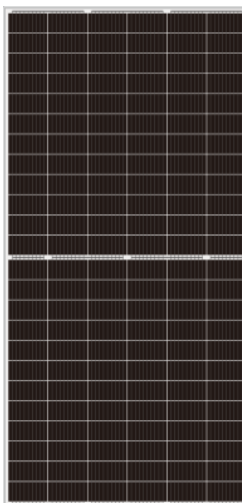


**12 years**

Product quality & process guarantee

**25 years**

Linear power guarantee



## Product Certification



## Product Insurance

**PICC**

Specifications are subject to change without prior notice

# SS-410-72MDX9

## Electric characteristics

Model of modules	SS-395-72MDX9		SS-400-72MDX9		SS-405-72MDX9		SS-410-72MDX9	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power- $P_{mp}$ (W)	395W	298W	400W	302W	405W	305W	410W	309W
Open-circuit voltage- $V_{oc}$ (V)	49.4V	47.1V	49.6V	47.3V	49.8V	47.5V	50.0V	47.7V
Short-circuit current- $I_{sc}$ (A)	10.12A	8.16A	10.16A	8.19A	10.21A	8.23A	10.25A	8.27A
Maximum power voltage- $V_{mp}$ (V)	41.5V	39.3V	41.8V	39.6V	42.1V	39.9V	42.3V	40.2V
Maximum power current- $I_{mp}$ (A)	9.52A	7.57A	9.57A	7.62A	9.62A	7.65A	9.70A	7.69A
Module efficiency- $\eta_m$ (%)	19.62%		19.87%		20.11%		20.36%	

STC : Irradiance 1000 W/m<sup>2</sup>, 25°C, AM1.5

NOCT: Irradiance 800 W/m<sup>2</sup>, 20°C, wind velocity 1m/s

## Temperature characteristics

Temperature coefficient at maximum power	-0.37%/°C
Temperature coefficient at open-circuit voltage	-0.29%/°C
Temperature coefficient at short-circuit current	+0.05%/°C
Operating temperature	-40~+85 °C
Rated operating temperature of cells	45±2 °C

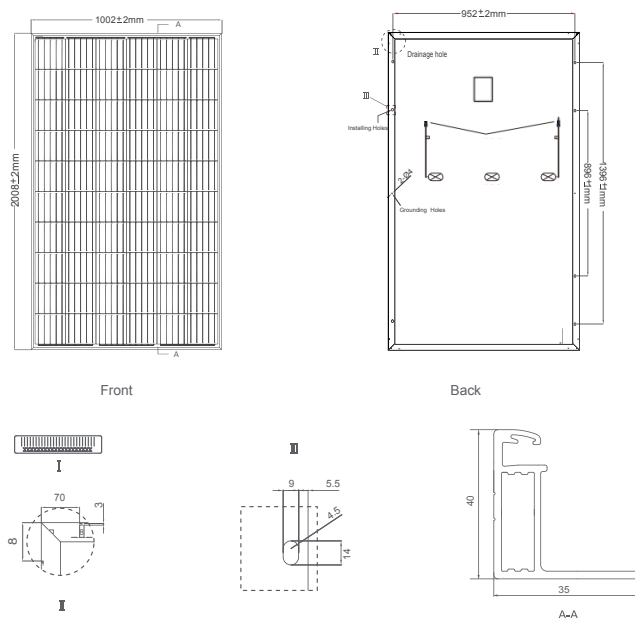
## Structural characteristics

Module dimensions	2008 x 1002 x 40 mm
Weight/No. of Half-cells	22.5kg / 144(6x24)
Cell	Mono crystalline 158.75×158.75mm 9BB
Glass	3.2mm AR tempered, low iron
Frame	Anodized aluminum alloy
Junction box	IP67
Output wire	4.0 mm <sup>2</sup> , wire length: 290mm, -145mm or Customized
Connector	MC4 compatible
Mechanical load	5400 Pa

## Working characteristics

Power tolerance (W)	(0,+5)
Maximum system voltage (V)	1000V/1500V
Maximum rated fuse current (A)	20

## Engineering Drawings



## Packaging Configuration

Container	20GP	40HC
Quantity/pallet	27	27
Pallets/container	10	22
Quantity/container	270	660

Specifications are subject to change without prior notice