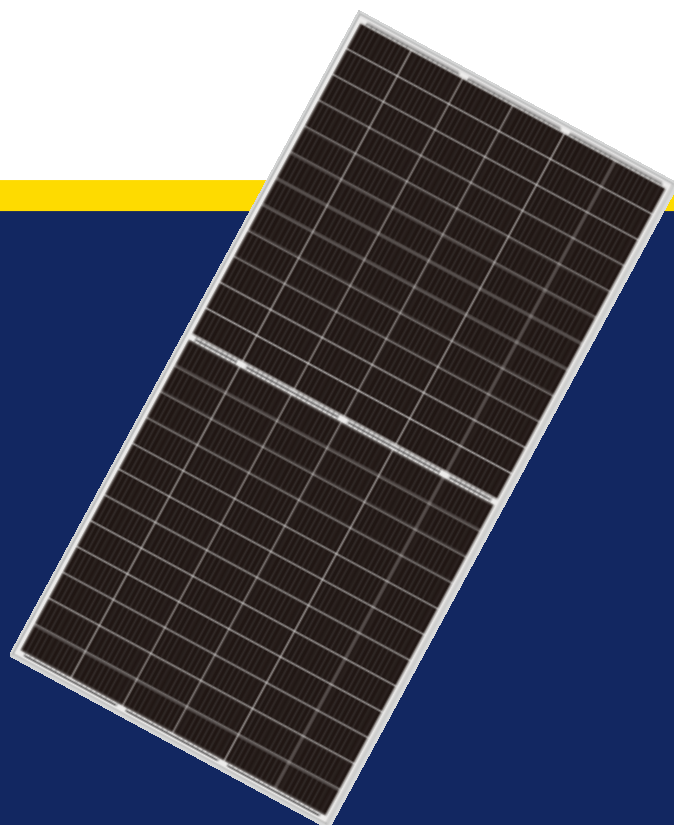




SS-410-72MDX9

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



**PID
FREE**

Resistance to power attenuation
passed TÜVRheinland system
voltage endurance test

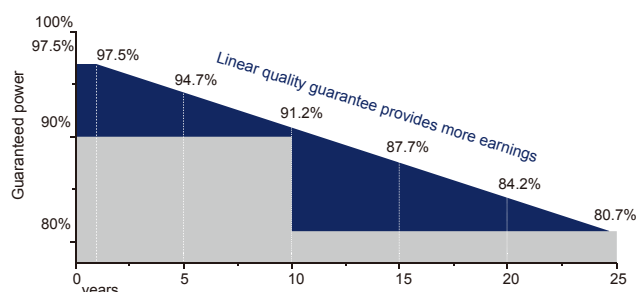


Resistance to salt-spray
corrosion
(IEC61701, certified to TÜVRheinland test
standard)



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

Product Guarantee

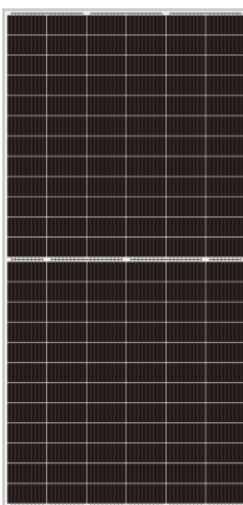


**12
years**

Product quality
& process
guarantee

**25
years**

Linear power
guarantee



Product Certification



Product Insurance

PKCC

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— η_m (%)	19.62%		19.87%		20.11%		20.36%	

STC : Irradiance 1000 W/m², 25°C, AM1.5 NOCT: Irradiance 800 W/m², 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

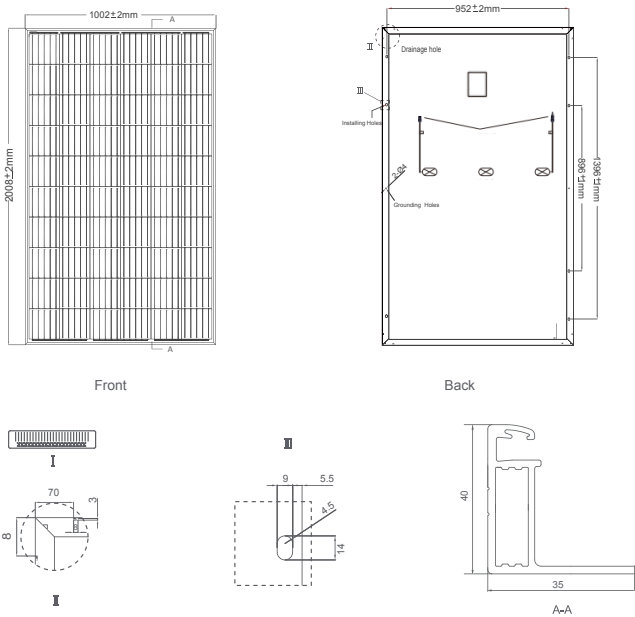
Structural characteristics

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 ² , 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