



**Classic Series**

**C7 · 395-420W MWT Module  
Mono Half-cut 72 Cells**

**21.50%**  
Module efficiency up to 21.50%

### Benchmark MWT PV Module



#### High Efficiency

MWT back contact cell and modules with busbar-free design and higher efficiency



#### Superior Warranty

The only single-glass module with 30-year power warranty by LLOYD'S&PICC worldwide



#### High Anti-Pressure Ability

Mechanical Load: 5400Pa(front)/2400Pa(rear)



#### High Reliability

Conductive back sheet 2D encapsulation without soldering, resulted lower degradation under multiple extreme testing condition



#### Low LCOE

Higher return of investment with higher power output



#### Lead Free

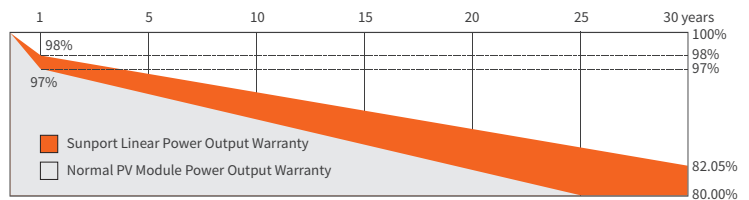
Eco-friendly PV design achieves Lead-free without soldering materials

### Reinsurance Coverage for 30 Years



Insured by PICC and LLOYD'S

**PICC LLOYD'S**



※1st year degradation less than 2%, 30 years linear power output 82% guaranteed.

### Comprehensive Qualifications & Certifications

- ★CQC&CGC Top Runner Advanced Technology Certification (4A class)
- ★ISO 9001:2015 Quality Management System
- ★ISO 45001:2018 Occupation Health Safety Management System

- ★TUV NORD Certification
- ★ISO 14001:2015 Environment Management System



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## Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP395MH7H	SPP400MH7H	SPP405MH7H	SPP410MH7H	SPP415MH7H	SPP420MH7H
Max-Power(Pm)	W	395	400	405	410	415	420
Power Tolerance	W	0~+5					
Max-Power Voltage(Vm)	V	39.1	39.3	39.5	39.7	39.9	40.1
Max-Power Current(I <sub>m</sub> )	A	10.10	10.18	10.25	10.33	10.41	10.48
Open-Circuit Voltage(Voc)	V	47.8	48.0	48.2	48.4	48.6	48.8
Short-Circuit Current(I <sub>sc</sub> )	A	10.54	10.61	10.68	10.75	10.82	10.89
Module Efficiency(η <sub>m</sub> )	%	20.2	20.5	20.7	21.0	21.2	21.5

STC: AM=1.5, Irradiation 1000W/m<sup>2</sup>, Module Temperature 25°C

## Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP395MH7H	SPP400MH7H	SPP405MH7H	SPP410MH7H	SPP415MH7H	SPP420MH7H
Max-Power(Pm)	W	297	301	305	309	313	317
Max-Power Voltage(Vm)	V	35.5	35.7	35.9	36.1	36.3	36.5
Max-Power Current(I <sub>m</sub> )	A	8.37	8.43	8.50	8.56	8.62	8.68
Open-Circuit Voltage(Voc)	V	43.4	43.6	43.8	44.0	44.2	44.4
Short-Circuit Current(I <sub>sc</sub> )	A	8.72	8.80	8.88	8.91	8.93	8.95

NMOT: Irradiation 800W/m<sup>2</sup>, ambient temperature 20°C, Wind Speed 1m/s

## Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of P <sub>max</sub>	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of I <sub>sc</sub>	0.06%/°C

## Package

Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	20' GP	310	31
Container	40' HC	682 / 726	31

## Mechanical Characteristics

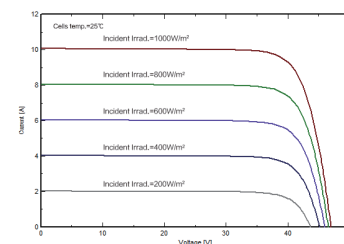
Dimension(L×W×H)	1970mmx992mmx35mm
Weight	23kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass / 3.2mm
Solar Cell	144(24x6) / Mono / 158.75mm(Half-cell)
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Silver
Junction Box	IP67 / IP68
Cable	4mm <sup>2</sup> , 350mm (+) / 150mm (-); Customizable
Connector	MC4 Compatible

## Operating Conditions

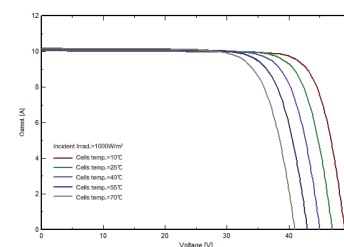
Max System Voltage	1500V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C~+85°C
Mechanical Load	5400Pa (front) /2400Pa (rear)
Max Allowable Hail Load	φ25mm hail, from 1m of distance at 23 m/s
Application Class	Class A

## I-V Curve

I-V Curve at different irradiation (SPP410MH7H)



I-V Curve at different temperature (SPP410MH7H)



## Module Size

