

X8 · 330-355W Honeycomb MWT Mono Module
176 (16×11) / Mono (Hexagonal Half-cell)

20.1%

Module efficiency up to 20.1%



Honeycomb MWT PV Module

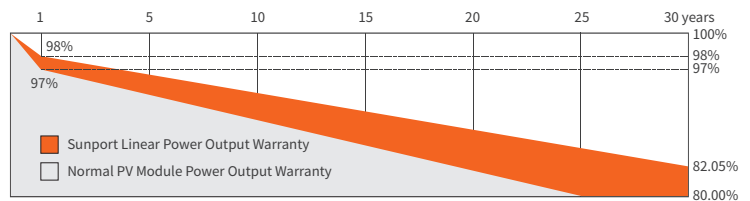
- Densest Array**
Honeycomb design with hexagonal structure for higher efficiency MWT modules
- High Reliability**
Conductive back sheet 2D encapsulation without soldering, resulted lower degradation under multiple extreme testing condition
- High ROI**
Higher return of investment with higher power output

- High Efficiency**
MWT back contact cell and modules with busbar-free design and higher efficiency
- 30 Superior Warranty**
The only single-glass module with 30-year power warranty by LLOYD'S&PICC worldwide
- Pb Lead Free**
Eco-friendly PV design achieves Lead-free without soldering materials

Reinsurance Coverage for 30 Years



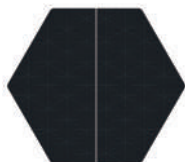
Insured by PICC and LLOYD'S



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

Honeycomb · MWT Solar Cell

- Without busbars, bigger exposure area by 3%.
- By half-cell structure, the internal current and series resistance loss are reduced and the power is higher.



Comprehensive Qualifications

- ★ ISO 9001:2015 Quality Management System
- ★ ISO 14001:2015 Environment Management System
- ★ ISO 45001: 2018 Occupation Health Safety Management System



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP330THAH	SPP335THAH	SPP340THAH	SPP345THAH	SPP350THAH	SPP355THAH
Max-Power(Pm)	W	330	335	340	345	350	355
Power Tolerance	W	0~+5					
Max-Power Voltage(Vm)	V	48.6	48.8	49.0	49.2	49.4	49.6
Max-Power Current(I _m)	A	6.79	6.87	6.94	7.01	7.09	7.16
Open-Circuit Voltage(Voc)	V	58.8	59.0	59.2	59.4	59.6	59.8
Short-Circuit Current(I _{sc})	A	7.12	7.20	7.27	7.35	7.43	7.50
Module Efficiency(η)	%	18.7	19.0	19.3	19.6	19.8	20.1

STC: AM=1.5, Irradiation 1000W/m², Module Temperature 25°C

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP330THAH	SPP335THAH	SPP340THAH	SPP345THAH	SPP350THAH	SPP355THAH
Max-Power(Pm)	W	250	254	258	262	266	270
Max-Power Voltage(Vm)	V	44.6	44.8	45.0	45.2	45.4	45.6
Max-Power Current(I _m)	A	5.61	5.67	5.73	5.80	5.86	5.93
Open-Circuit Voltage(Voc)	V	55.0	55.2	55.4	55.6	55.8	56.0
Short-Circuit Current(I _{sc})	A	5.96	6.02	6.09	6.16	6.22	6.30

NMOT: Irradiation 800W/m², ambient temperature 20°C, Wind Speed 1m/s

Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of P _{max}	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of I _{sc}	0.06%/°C

Package

Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40' HC	840	30

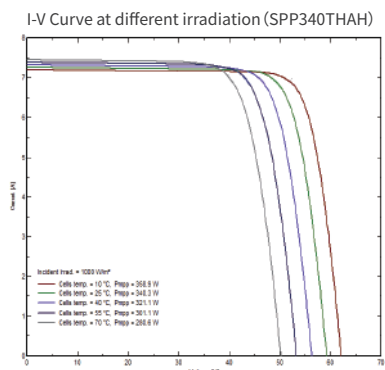
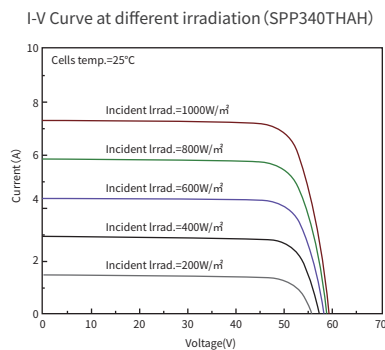
Mechanical Characteristics

Dimension(L×W×H)	1662mmx1063mmx35mm
Weight	19.5kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass /3.2mm
Solar Cell	176 (16×11) / Mono
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Silver
Junction Box	IP67 / IP68
Cable	According to the order
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



Module Size

