

Classic Series

**C7 II · 445-460W
MWT Mono PERC Half-Cut Module**

Australian Version

Manufactured in China

20.8%

Module efficiency up to 20.8%

Features



Innovative Layout

Innovative back contact module layout with asymmetric design for higher efficiency power



High Efficiency

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



High Reliability

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



Superior Warranty

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



High ROI

Higher return on investment with higher power output



Lead Free

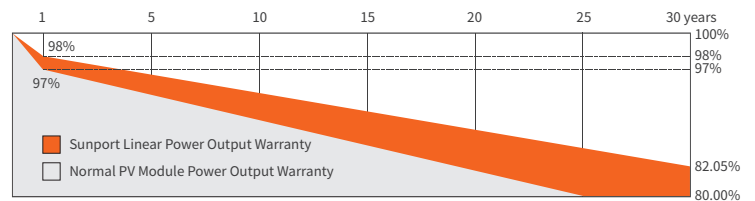
Eco-friendly PV design achieves Lead-free without soldering materials

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 82.05% guaranteed.

Comprehensive Qualifications & Certifications

- ★CQC 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



Jiangsu Sunport Power Corp., Ltd

Add: No.20, Xishi Road, Xinwu District, Wuxi, China 214028

Email: info@sunportpower.com

Web: www.sunportpower.com

Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP445NHJH	SPP450NHJH	SPP455NHJH	SPP460NHJH
Max-Power(Pm)	W	445	450	455	460
Power Tolerance			0~+3%		
Max-Power Voltage(Vm)	V	43.5	43.7	43.9	44.1
Max-Power Current(I _m)	A	10.23	10.30	10.37	10.44
Open-Circuit Voltage(Voc)	V	52.5±3%	52.7±3%	52.9±3%	53.1±3%
Short-Circuit Current(I _{sc})	A	10.72±5%	10.79±5%	10.86±5%	10.93±5%
Module Efficiency(η _m)	%	20.1	20.3	20.5	20.8

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

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP445NHJH	SPP450NHJH	SPP455NHJH	SPP460NHJH
Max-Power(Pm)	W	334	338	342	346
Max-Power Voltage(Vm)	V	40.0	40.2	40.4	40.6
Max-Power Current(I _m)	A	8.35	8.41	8.47	8.53
Open-Circuit Voltage(Voc)	V	48.9	49.1	49.3	49.5
Short-Circuit Current(I _{sc})	A	8.85	8.91	8.97	9.02

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	682	31

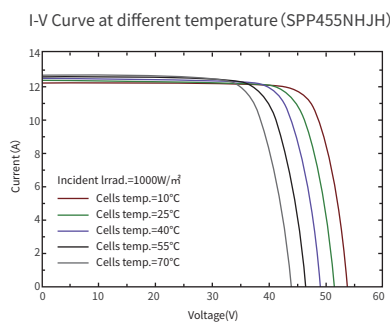
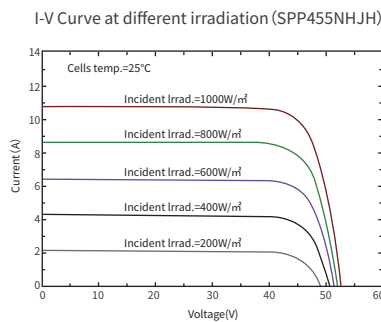
Mechanical Characteristics

Dimension(L×W×H)	2005mmx1105mmx35mm
Weight	26kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass /3.2mm
Solar Cell	156(12x13)/Mono / 162.75*81.375mm
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Silver
Junction Box	IP67 / IP68
Cable	4mm ² , 450mm (+)/ 150mm (-); Customizable
Connector	TL-CABLE01S QC4.10-cd

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
Fire Safety Class	Class C according to ANSI/UL 1703-2018

I-V Curve



Module Size

