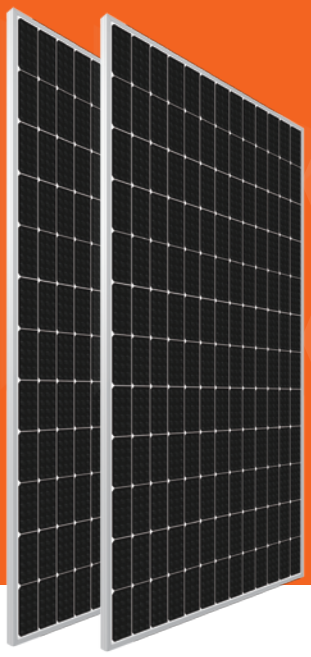


Sunport

Classic Series

C7 Ⅱ · 445-465W
MWT Mono PERC Half-Cut Module

21.0%

Module efficiency up to 21.0%

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

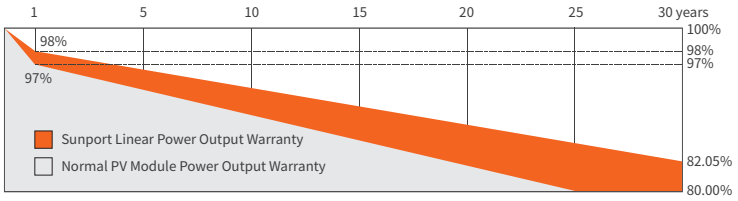
Reinsurance Coverage for 30 Years

12year Quality Warranty

30year Performance Warranty

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 Top Runner Advanced Technology Certification (4A class)
★ TUV NORD Certification
★ISO 9001:2015 Quality Management System
★ISO 14001:2015 Environment Management System
★ISO 45001: 2018 Occupation Health Safety Management System

Jiangsu Sunport Power Corp., Ltd
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Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SNFX445	SNFX450	SNFX455	SNFX460	SNFX465
Max-Power(Pm)	W	445	450	455	460	465
Power Tolerance	W			0~+5		
Max-Power Voltage(Vm)	V	43.5	43.7	43.9	44.1	44.3
Max-Power Current(Im)	A	10.23	10.30	10.37	10.44	10.50
Open-Circuit Voltage(Voc)	V	52.5	52.7	52.9	53.1	53.3
Short-Circuit Current(Isc)	A	10.72	10.79	10.86	10.93	10.98
Module Efficiency(ηm)	%	20.1	20.3	20.5	20.8	21.0
STC: AM=1.5, Irradiation 1000W/m², Module Temperature 25°C						

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SNFX445	SNFX450	SNFX455	SNFX460	SNFX465
Max-Power(Pm)	W	334	338	342	346	350
Max-Power Voltage(Vm)	V	40.0	40.2	40.4	40.6	40.8
Max-Power Current(Im)	A	8.35	8.41	8.47	8.53	8.58
Open-Circuit Voltage(Voc)	V	48.9	49.1	49.3	49.5	49.7
Short-Circuit Current(Isc)	A	8.85	8.91	8.97	9.02	9.07
NMOT: Irradiation800W/m², Ambient temperature 20°C, Wind Speed 1m/s						

Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of Pmax	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of Isc	0.06%/°C

Package

Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40' HC	682	31

Mechanical Characteristics

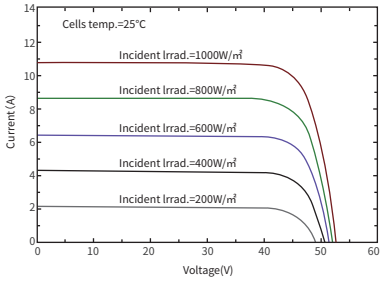
Dimension(L×W×H)	2005mmx1105mmx35mm
Weight	26kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass /3.2mm
Solar Cell	156(12x13)/Mono / 162.75*81.375mm
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Silver
Junction Box	IP67 / IP68
Cable	4mm2, 350mm (+)/ 150mm (-); Customizable
Connector	MC4 Compatible

Operating Conditions

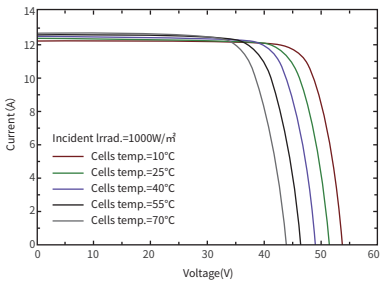
Max System Voltage	DC1500V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C~+85°C
Mechanical Load	5400Pa (front) /2400Pa (rear)
Max Allowable Hail Load	ϕ25mm hail, from 1m of distance at 23 m/s
Application Class	Class A

I-V Curve

I-V Curve at different irradiation (SPP455NHJH)



I-V Curve at different temperature (SPP455NHJH)



Module Size