

SKYWORTH

Your Best Friend of Energy-Saving Solutions

SolaMate

Your Personal Solar Power Plant

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Please refer to the latest version for any updates.

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SKYWORTH GROUP

Started in 1988

A globally competitive key enterprise in smart home appliances and information technology.

NO.271 2025 Top 500 Chinese Enterprises

 STAFF SIZE

30,000+
Number of Employees

 OPERATING REVENUE

\$10+ BILLION
Operating Income

 BUSINESS COVERAGE

120+
Countries and Regions

SKYWORTH Solar

since 2020

SKYWORTH Solar is supported by strong financial capability and a well-established distributed Solar foundation, enabling projects from early-stage planning through construction and commissioning. Through capital support and resource integration, project entry barriers are reduced, while proven experience in Solar technology and power plant development underpins sustainable, scalable clean energy deployment overseas.

3.2 Billion
Dollar Revenue

25GW
Cumulated Installation

850,000+
Plants Built

TOP 2
Distributed Solar Project
Developer in China

RAILING MOUNTING

POWER 450W

DIMENSION



1762×1134×30MM



Export limitation Device



Resistant to Wind and Snow



Sleek Design



Plug-and-Play

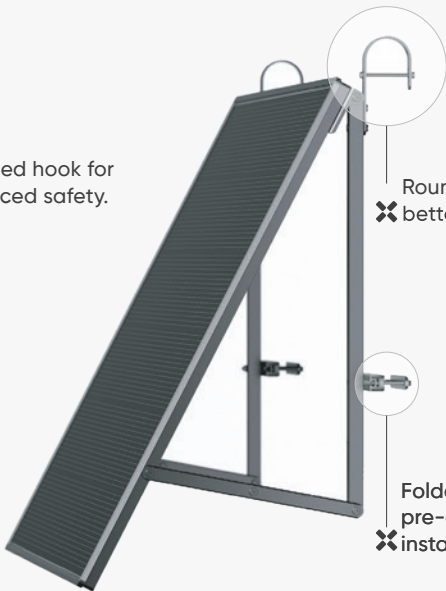


Pre-Installed Mounting System

✕ Rounded hook for enhanced safety.

✕ Rounded hook for a better fit on railings.

✕ Foldable and pre-assembled for easy installation and transport.



SUNSHADE MOUNTING

POWER 450W

DIMENSION



1762×1134×30MM

GROUND MOUNTING

POWER 450W

DIMENSION



1762×1134×30MM



Export Limitation Device



Resistant to Wind and Snow



Seamless All-Black Design



Partial Shading Optimisation

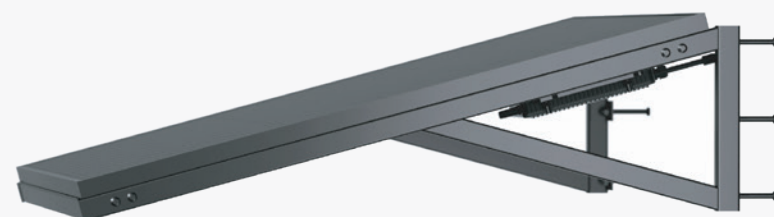


Micro-Crack Resistance



Plug-and-Play

✕ Constructed by stainless steel materials.



✕ Seamless All-Black design.

✕ Engineered to withstand harsh weather conditions.



Export Limitation Device



Easy DIY Installation



Sleek Design



Multi-Angle Adjustable

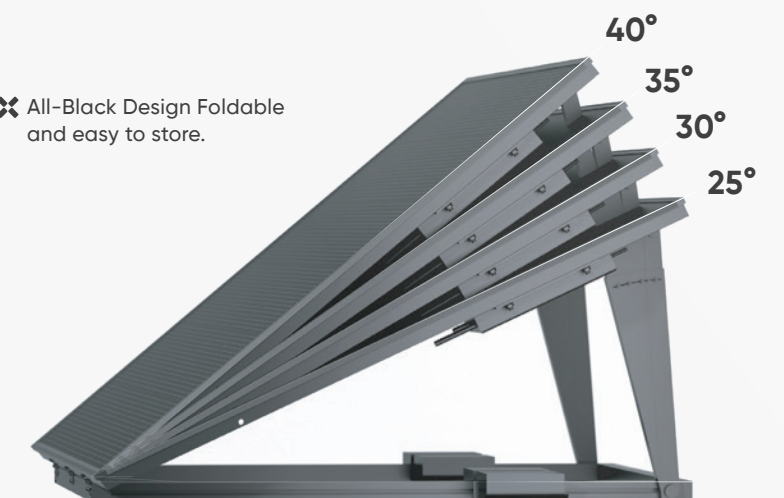


Foldable and Easy to Store



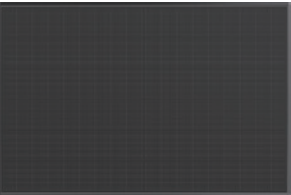
Plug-and-Play

✕ All-Black Design Foldable and easy to store.



✕ Foldable Aluminum Mounting System. Four-level adjustable: 0°, 25°, 30°, 35°, 40°

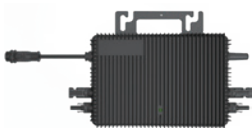
Package



TOPCon Module



Mounting System



Microinverter

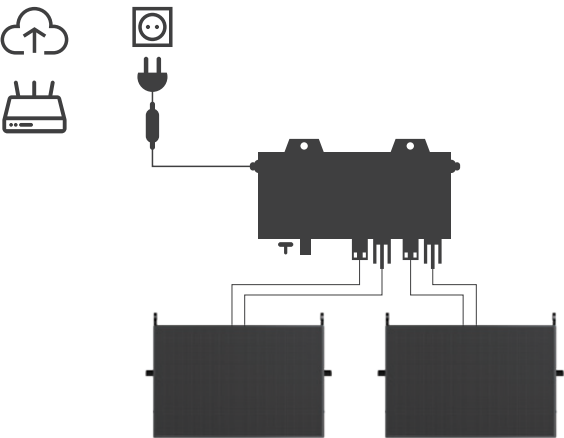
Solar Panels Parameters

Module Type	QM210THCD-450-48	Short Circuit Current: Isc	16.14A
Dimension	1762x1134x30mm	Max. Power Voltage: Vmp	29.90V
Junction Box	IP68 / 3diodes	Max. Power Current: Imp	15.06A
Weight	24.2 kg	Operating Temperature	-40℃ - +85℃
Max. Power: Pmax	450W	Max. System Voltage	DC 1500V
Efficiency : η	22.54%	Max. Series Fuse Rating	25A
Open Circuit Voltage: Voc	35.4V	Power Tolerance	0~±5%

Microinverter Parameters

Max. Power per PV String Value	800W	2000W
MPPT Operating Voltage Rangen Value	16-60V	
Max. input Voltage Value	65V	
Number of MPPTs	2	4
Number of inputs per MPPT	1	1
Rated Output Voltage/range Value	230V	
Rated Output Frequency Value	50Hz	
Power Factor Value	> 0.99 default 0.8leading...08lagging	
Max. Total Harmonic Distortion Value	< 3%	
Max. Efficiency Value	96.7%	96.5%
Protection Degree Value	IP67	
Weight	3.2kg	6.5kg
Dimension(WxHxD)	261×180×35.1mm	331×218×40.6mm
Operating Temperature Range	-40 to + 65℃	
Communication	Built-in Wi-Fi	2.4G Wi-Fi / Bluetooth
Production Warranty Value	10 Years Standard Warranty	
Isolation Design	Galvanically Isolated HF Transformer	

Connection Diagram



SKYWORTH App



SCAN TO
DOWNLOAD
THE APP

ARTIST OS

An all-in-one app to monitor generation data, with 24-hour cloud-based management.

Live Data Monitoring

Plant Status Checking

O&M Service

Export Limitation Solution

Dynamic Export Control

Fast response time, adapting to rapid power changes (<1 sec)

Intelligent Regulation

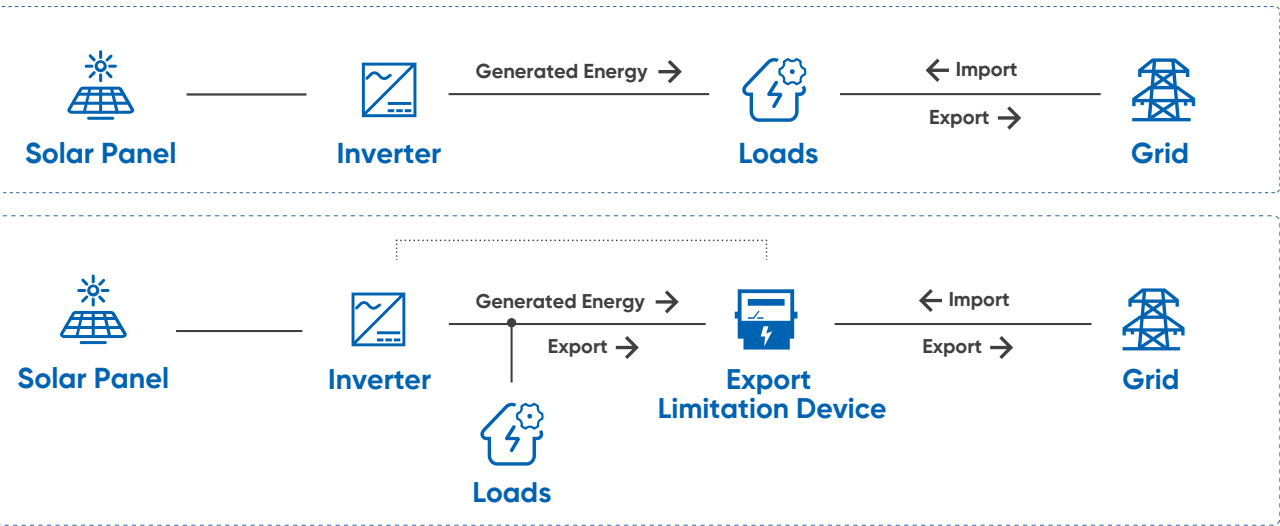
Adjust export limitaion based on actual power consumption

Integrated Monitoring Platform

Communication module integrates local configuration with Wi-Fi/LAN communication.



Export Limitation Principle



Type		Models	System Capacity(Wp)	Output Power(W)
RAILINGMOUNTING	1-to-2	GZ-TP900-800W-VN	900W	800W
	1-to-4	GZ-TP1800-2000W-VN	1800W	2000W
SUNSHADEMOUNTING	1-to-2	ZY-TP900-800W-VN	900W	800W
	1-to-4	ZY-TP1800-2000W-VN	1800W	2000W
GROUNDMOUNTING	1-to-2	LD-TP900-800W-VN	900W	800W
	1-to-4	LD-TP1800-2000W-VN	1800W	2000W
RAILINGMOUNTING	1-to-2	GZ-TP900-800W-TH	900W	800W
	1-to-4	GZ-TP1800-2000W-TH	1800W	2000W
SUNSHADEMOUNTING	1-to-2	ZY-TP900-800W-TH	900W	800W
	1-to-4	ZY-TP1800-2000W-TH	1800W	2000W
GROUNDMOUNTING	1-to-2	LD-TP900-800W-TH	900W	800W
	1-to-4	LD-TP1800-2000W-TH	1800W	2000W
RAILINGMOUNTING	1-to-2	GZ-TP900-800W-MY	900W	800W
	1-to-4	GZ-TP1800-2000W-MY	1800W	2000W
SUNSHADEMOUNTING	1-to-2	ZY-TP900-800W-MY	900W	800W
	1-to-4	ZY-TP1800-2000W-MY	1800W	2000W
GROUNDMOUNTING	1-to-2	LD-TP900-800W-MY	900W	800W
	1-to-4	LD-TP1800-2000W-MY	1800W	2000W