



Lightweight Solar Panel Expert

PRODUCT CATALOG

Jiangsu Pure Solar New Energy Co., Ltd

Lightweight Solar Panel Expert



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Lightweight Solar Panel Expert

COMPANY PROFILE

Jiangsu Pure Solar New Energy Co., Ltd – a distinguished enterprise specializing in cutting-edge development and precision manufacturing of flexible monocrystalline silicon solar panels. Strategically located within Wuxi Industrial Development Zone, Jiangsu Province, our company stands prominently with unparalleled R&D facilities and state-of-the-art production workshops. Our core mission revolves around spearheading pioneering research, advancing development, and seamlessly commercializing a diverse range of flexible monocrystalline silicon solar photovoltaic modules, accompanied by a comprehensive array of ancillary products. Meticulously engineered to cater to the discerning needs of residential, commercial, industrial, and building-integrated photovoltaic power generation systems, these exceptional offerings have earned acclaim for their superior attributes, including lightweight design, effortless installation, and unmatched power generation efficiency. They have garnered the unwavering trust and admiration of our esteemed clientele.

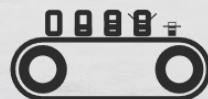
At Jiangsu Pure Solar New Energy Co., Ltd, we remain steadfast in our commitment to upholding the guiding principles of "Pure Energy; Pure Life; Pure Environment; Pure Solar," exemplifying our unwavering dedication to promoting cleaner energy sources, enriching lives, fostering a healthier environment, and harnessing the boundless potential of solar energy to propel our world towards a sustainable future.



10000
Square Meters



200+
Employees



5
Production Lines



50MW
Monthly Capacity

01

Fully Automatic Production Line

A wide-angle photograph of a large industrial facility, likely a solar panel manufacturing plant. The scene is filled with complex machinery, conveyor belts, and numerous robotic arms. In the foreground, a prominent orange robotic arm is positioned over a work area. The background shows a long, well-lit corridor with many more robotic units and structural elements of the factory, creating a sense of scale and automation.

5
Continents

30+
Countries

100+
Clients

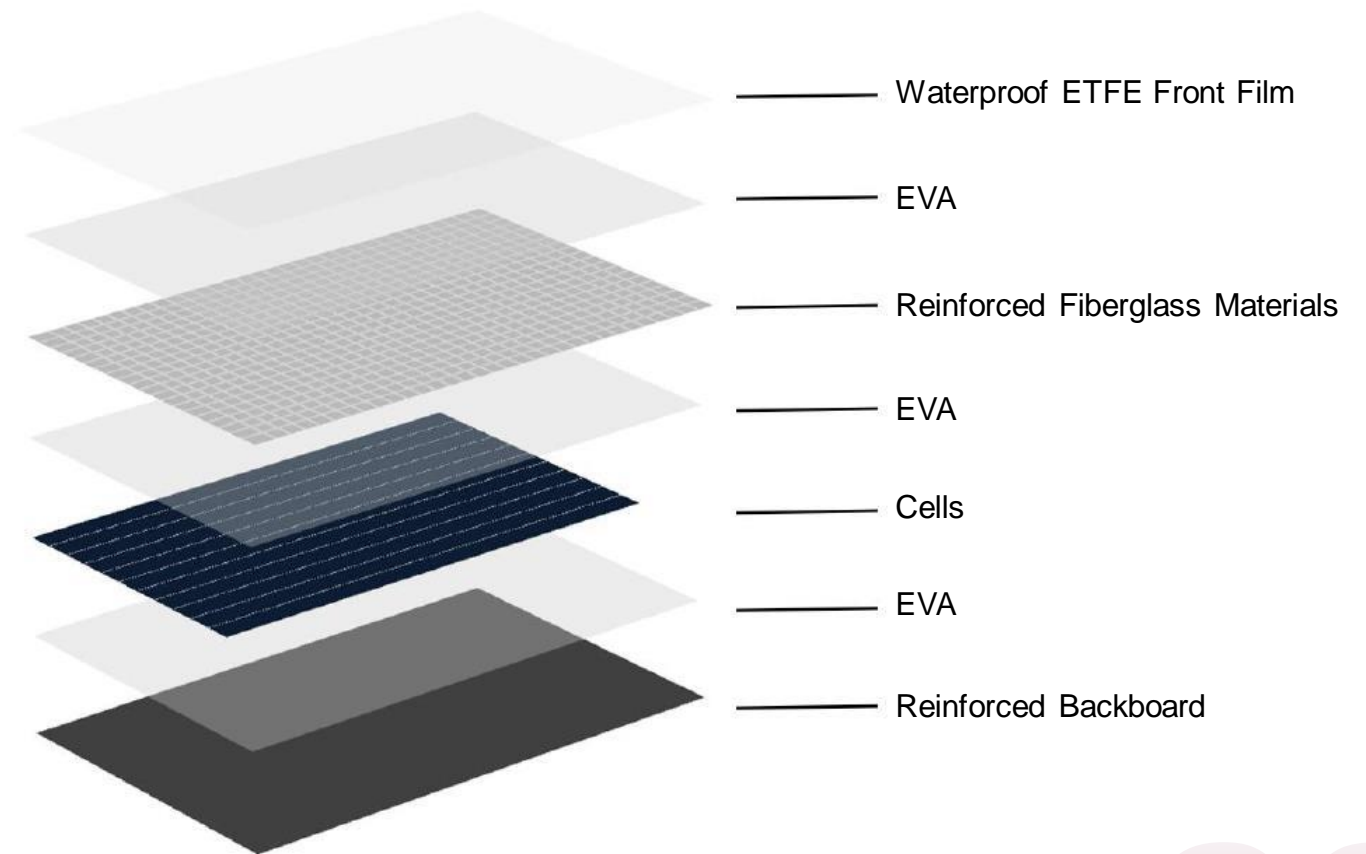
PRODUCT STRUCTURE

Independently Developed Waterproof ETFE Front Film

- Enhanced waterproofing capabilities
- Improved UV-blocking effectiveness
- Reinforced structural integrity

Individually Developed Reinforced Fiberglass Materials

- Increased light transmittance
- Enhanced durability of composite materials



Much thinner

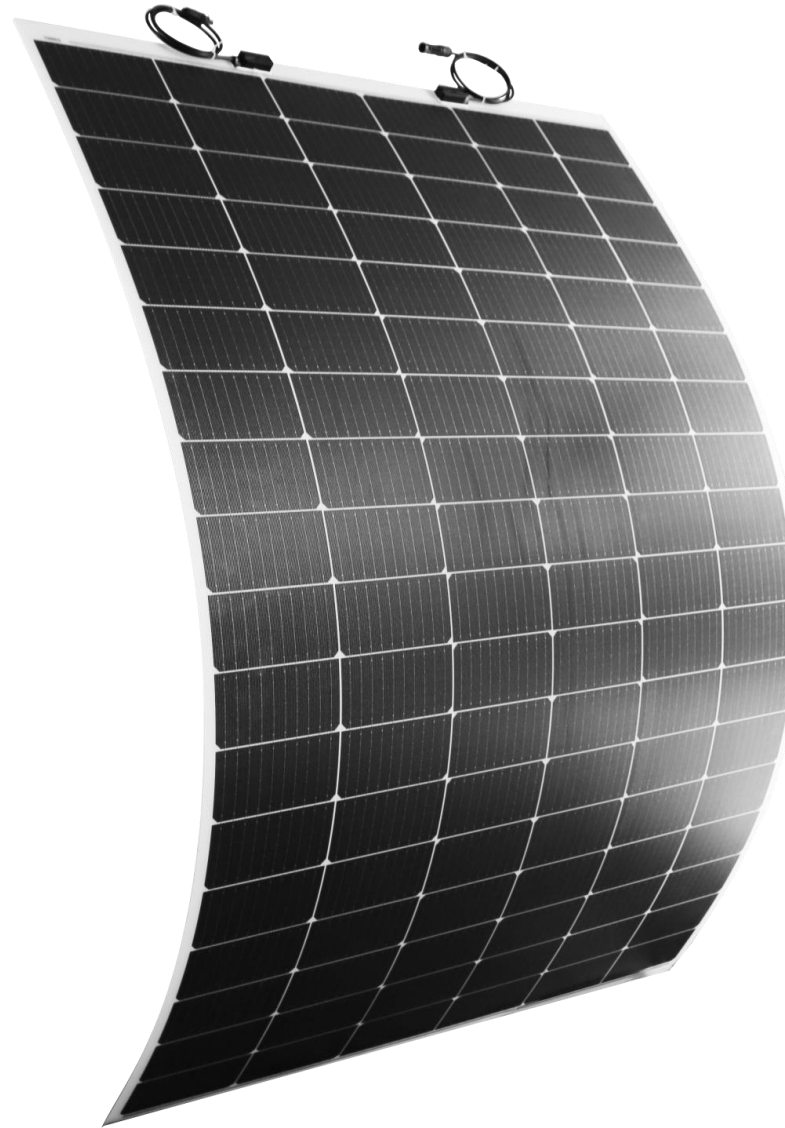
As thin as **18 mm**

Much lighter

Weighing **3.5 kg/m²**
only **30%** of traditional
modules

More flexible

Weighing only **30%**
of traditional modules



Reducing the transportation
cost greatly

Easy to install

High reliability with TUV
and SUD certificates

Wide range of application

FLEXIBLE SOLAR PANEL



Specification	Unit	PS-400-F8MC	PS-405-F8MC
Dimension(LXWXH)	mm	1726*1138*3	1726*1138*3
Max-Power(Pm)	W	400	405
Max-Power Voltage(Vm)	V	30.7	30.8
Max-Power Current(Im)	A	13.03	13.16
Open-Circuit Voltage(Voc)	V	37.1	37.2
Short-Circuit Current(Isc)	A	20.21	20.46
Module Efficiency	%	20.21	20.46
Weight	kg	6.3	
Operating Temperature Range	℃	- 40~85	
Max-System Voltage	V	1500	
IP Rating	-	IP67	

BALCONY SOLAR PANEL



Specification	Unit	PS-205-F8MP	PS-210-F8MP
Dimension(LXWXH)	mm	1380*790*3	1380*790*3
Max-Power(Pm)	W	400	405
Max-Power Voltage(Vm)	V	15.9	16.2
Max-Power Current(I _m)	A	13	13.06
Open-Circuit Voltage(V _{oc})	V	19.4	19.4
Short-Circuit Current(I _{sc})	A	13.72	13.72
Module Efficiency	%	18.8	19.26
Weight	kg	3.3	
Operating Temperature Range	°C	- 40~85	
Max-System Voltage	V	600	
IP Rating	-	IP67	

LIGHTWEIGHT RV SOLAR PANEL



Specification	Unit	PS-100-F6ME	PS-200-F6ME
Dimension(LXWXH)	mm	1093*582*3	1605*748*3
Max-Power(Pm)	W	100	200
Max-Power Voltage(Vm)	V	19.4	20.1
Max-Power Current(I _m)	A	5.2	10.02
Open-Circuit Voltage(V _{oc})	V	23.5	23.9
Short-Circuit Current(I _{sc})	A	5.51	10.74
Module Efficiency	%	19.26	19.26
Weight	kg	2.2	4.2
Operating Temperature Range	℃	- 40~85	
Max-System Voltage	V	600	
IP Rating	-	IP67	

FOLDABLE SOLAR PANEL

- Thin and lightweight
- Good concealment
- Easy portability



SPECIFICATION

Unfolded Size: 101.8*82.6*0.3cm

Folded Size: 42*29*5cm

Weight: 2.5±0.1 kg

Maximum PY Power: 100W

Working Temperature: -40~+85°C

Output: 5V/2A

Port: Dual USB Type-C and DC

Building Integrated Photovoltaic



Advantages

Enhanced Appearance Options

Diverse and Customizable Aesthetics

Advanced Electricity Generation

Increased Power Output
Enhanced Efficiency in Various Conditions
Optimal Performance in Low Sunlight
Reduced Sensitivity to Sun Angle Variations

Enhanced Safety and Reliability

Top-Tier Flame Resistance (Level A Rating)
Robust Wind Load Resistance
Extended Operating Temperature Range

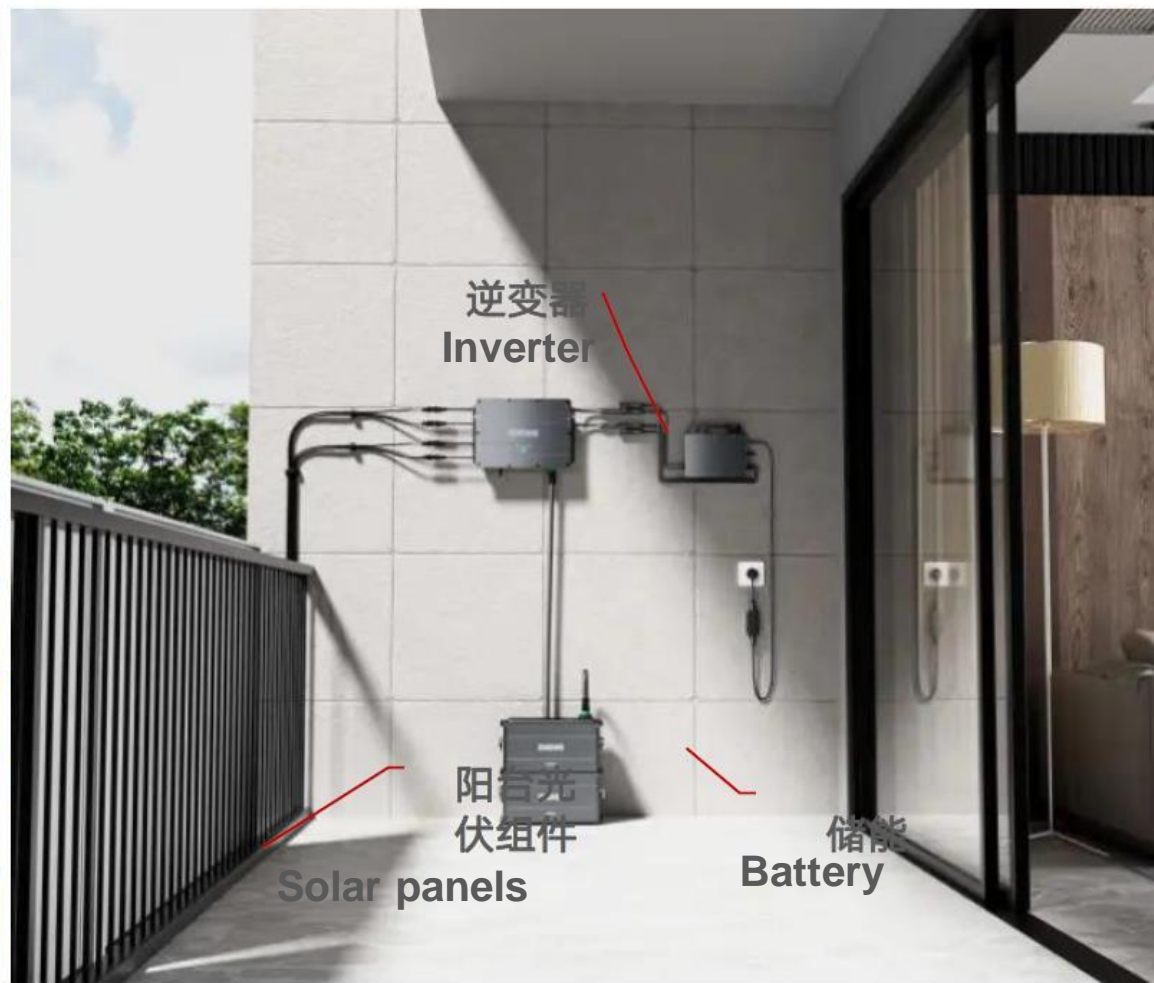
Elevated Environmental Contribution

Sustainable Energy Generation
Facilitating Green Power Integration
Empowering Every Structure as a Renewable Energy Source

RV Solar Panel Application



Balcony Solar Panel Application



Flexible Solar Panel Application



Shandong-Jining city

10MW



Tianjin city

5MW

Flexible Solar Panel Application



BIPV Application



شهادة - Certificate - 證明書

CERTIFICATE

Of Compliance

Registration No: Qst-23N080071R

Certificate's Holder: Jiangsu Pure Solar New Energy Co.,Ltd
No.141, Huxi Road, Yuqi Street, Huishan District, Wuxi, Jiangsu, China

Manufacturer: Jiangsu Pure Solar New Energy Co.,Ltd
No.141, Huxi Road, Yuqi Street, Huishan District, Wuxi, Jiangsu, China

Product Name: Flexible solar panel

Model(s): PURES-100W, PURES-20W-600W (It is applicable within this range)

Trade Mark: PURES

Directives	Test Standard	Test Report Number
(EU)2015/863	EN62321-1:2013	Qst-23N080071-1RR
(EU)2017/2102 amending Annex II to Directive 2011/65/EU.	EN62321-3-1:2014	
	EN62321-4:2014+A1:2017	
	EN62321-5:2014	
	EN62321-6:2015	
	EN62321-7-1:2015	
	EN62321-7-2:2017	
	EN62321-8:2017	

Remark: The certificate of compliance described above has been tested by us with the listed standards and found in compliance with the council above listed directives(s). It is possible to use ROHS marking to demonstrate the compliance with above listed directives(s).
This certificate only applies to the above-mentioned test samples and does not mean to evaluate the entire production.

RoHS


Mike Chen
Certification Manager
Date of issue: Aug-14, 2023

Shenzhen Qstlab Testing Co., Ltd. Tel: +86 755 23211867 E-mail: qstlab@qstlab.cn http://www.qstlab.cn
Address: No. 208, No. 4, Lane 1, Tangfang Garden, Xin'an Street, Bao'an District, Shenzhen, Guangdong.

شهادة - Certificate - 證明書

CERTIFICATE

Of Compliance

Registration No: Qst-23N080071E

Certificate's Holder: Jiangsu Pure Solar New Energy Co.,Ltd
No.141, Huxi Road, Yuqi Street, Huishan District, Wuxi, Jiangsu, China

Manufacturer: Jiangsu Pure Solar New Energy Co.,Ltd
No.141, Huxi Road, Yuqi Street, Huishan District, Wuxi, Jiangsu, China

Product Name: Flexible solar panel

Model(s): PURES-100W, PURES-20W-600W (It is applicable within this range)

Trade Mark: PURES

Rating: PURES -20W-600W (This power range can be applied)

Directives	Test Standard	Test Report Number
EMC (2014/30/EU)	EN IEC 61000-6-3:2021	Qst-23N080071 -1ER
	EN IEC 61000-3-2:2019+A1:2021	
	EN 61000-3-3:2013+A1:2019+A2:2021	
	+AC:2022-01	
	EN IEC 61000-6-1:2019	

Remark: The certificate of compliance described above has been tested by us with the listed standards and found in compliance with the council above listed directives(s). It is possible to use CE marking to demonstrate the compliance with above listed directives(s).
This certificate only applies to the above-mentioned test samples and does not mean to evaluate the entire production.

CE


Mike Chen
Certification Manager
Date of issue: Aug-14, 2023

Shenzhen Qstlab Testing Co., Ltd. Tel: +86 755 23211867 E-mail: qstlab@qstlab.cn http://www.qstlab.cn
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