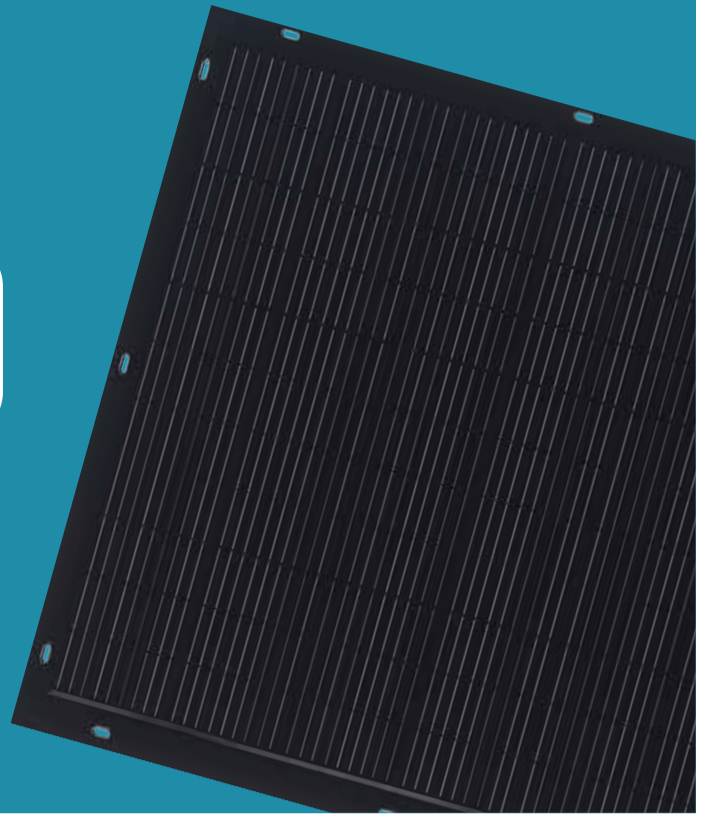




Module conversion efficiency
17.24-18.68%

240-260W
Flexible Solar Panel



Product characteristics

- Lightweight and ultra-thin design**
The component weight is as light as 6kg in weight and as thin as 3mm, meeting the requirements of various low load projects.
- Customization**
Products can be customized to meet the needs of different application scenarios
- Ultra high flexibility**
With ultra-thin silicon chip and advanced organic polymer materials, the component can perfectly fit various curved roofs.
- Easy installation**
Due to convenience and quickness, the costs of installation and transport are greatly reduced.
- Efficient and reliable**
It is improving the battery conversion efficiency. The power generation performance is excellent under low light conditions.
- Plumbum free environmental protection**
Base on the concept of green environmental protection, the production process and materials achieve plumbum free

Long lasting and stable quality

Through various long-term reliability tests ISO 9001,ISO 2005

The reliability of components is effectively ensured under EL test before and after lamination. Fully automatic production line and the leading photovoltaic technology

Electrical Performance Parameter (STC)

Parameter Name	APEX-FLEX-240	APEX-FLEX-245	APEX-FLEX-250	APEX-FLEX-255	APEX-FLEX-260
Maximum power (Pm)	240W	245W	250W	255W	260W
Power Tolerance	0~+5w	0~+5w	0~+5w	0~+5w	0~+5w
Maximum Power Voltage(Vmp)	18.5V	18.8V	19.2V	19.4V	19.7V
Maximum Power Current(Imp)	13.00A	13.02A	13.06A	13.14A	13.20A
Open-circuit voltage (Voc)	22.3V	22.7V	23.2V	23.7V	23.9V
Short-circuit current (Isc)	13.61A	13.65A	13.70A	13.70A	13.78A
Module Efficiency(%)	17.24%	17.60%	18.00%	18.32%	18.68%

STC:Irradiance 1000W/m² , module temperature 25°C ,AM=1.5

Mechanical

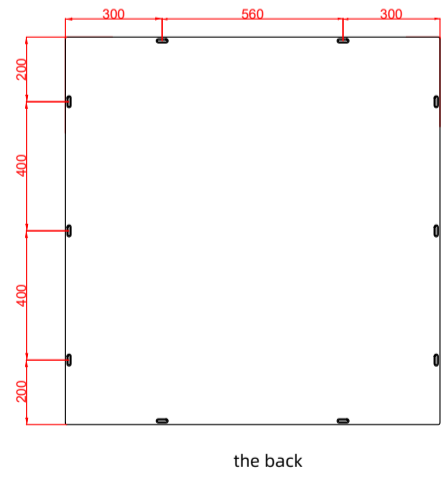
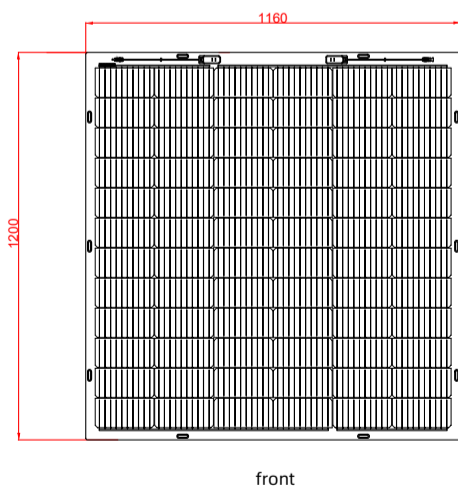
Cell array	72 (12*2*3)	Back board colour	White PV Backsheet
Size	1200mm(L)*1160 mm(W)	Terminal block	Protection grade IP67
Size of 46-piece box	1200*W:1160*H:17 mm	Cable	4mm ²
Front film	Lightweight high transparent polymer materials	Diode	2
Connector	(+)(-)300 mm	Weight	4.9KG

Temperature coefficient

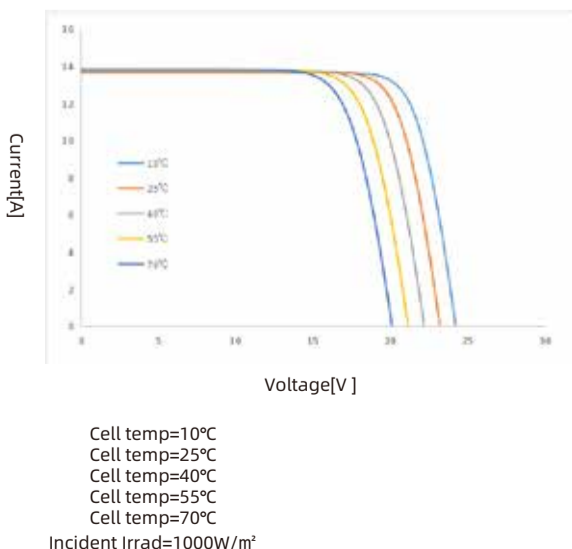
Battery nominal operating temperature	41±2°C
Current temperature coefficient (Isc)	+0.020%/°C
Voltage temperature coefficient	-0.28%/°C
Power factor (Pm)	-0.38%/°C

Working conditions

Maximum System Voltage	600VDC
Maximum Series Fuse Rating	20A
Operating Temperature	-40~+85°C
Connector	MC4 compatible



Temperature curves of current and voltage at different temperatures



Curve of current and voltage/curve of power voltage under different irradiance

