



HCFM-540 Flexible Modules

PRODUCT DISPLAY

Weight

3kg/m²



Product warranty **12** years

Power warranty **25** years



High flexibility, fit all kinds of roofing



Convenient installation and transportation, saving a lot of costs



Lead-free environmental protection, green photovoltaic concept



Lightweight ultra-thin design to meet project needs

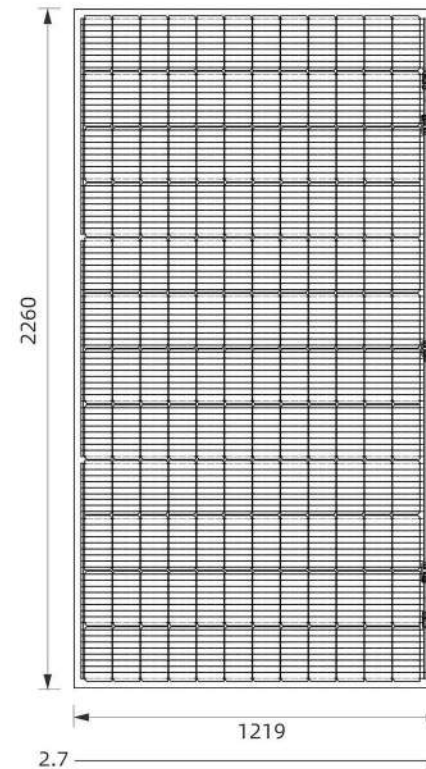


It can be customized to meet various scenarios



High reliability in harsh environment testing

ENGINEERING DRAWING



SAFETY LEVEL & WARRANTY

Safety level	Class II
Product warranty	12 years of product materials and technology
Power warranty	25 years linear power output

The attenuation in the first year is 2%.
From the following year, the annual decline is higher than 0.5%.
The module power is not less than 80% in the 25th year.



ELECTRICAL PROPERTY PARAMETER

Maximum power	540W	550W	560W	570W	580W
Optimum operating voltage	42.23V	42.63V	43.18V	43.68V	44.19V
Optimum operating current	12.79A	12.91A	12.97A	13.05A	13.13A
Open-circuit voltage	51.98V	52.32V	52.58V	52.77V	53.03V
Short-circuit current	13.58A	13.65A	13.69A	13.78A	13.86A
Module operating temperature range	-40 to +85°C				
Maximum system voltage	DC1000/1500V(IEC)				
Maximum fuse current	25A				
Power tolerance range	0~+5W				

STC(Standard test circumstance): Frontal irradiation1000W/m², Cell temperature 25°C, Spectrum AM1.5, Power measurement error 0~+5W

TEMPERATURE COEFFICIENT

Rated operating temperature of the cell	44°C±2°C
Maximum power temperature coefficient	-0.26%/°C
Open-circuit voltage temperature coefficient	-0.24%/°C
Short-circuit current temperature coefficient	0.04%/°C

MECHANICAL PARAMETER

Cell type	TOPCon cell 182×91mm
Cell arrangement	144 pcs (12×12)
Module size	2260×1219×2.7mm
Module weight	8.5kg
Junction box	Enclosure rating IP68
Output cable	4mm ² ,500mm cable net length. Cable length can be customized
Connector type	MC4 compatibility
Frame	N/A
Front static load (snow pressure)	5400Pa
Rear static load (wind pressure)	2400Pa

PACKING DETAILS

Transportation	Platform Lorry	Platform Lorry	Container	Container
Size	13m	17.5m	20'C	40'C
Pallet	22	28	4	10
Piece/Pallet	45	45	70	70
Total pieces	990	1260	280	700

Comprehensive product certification
and quality management system

