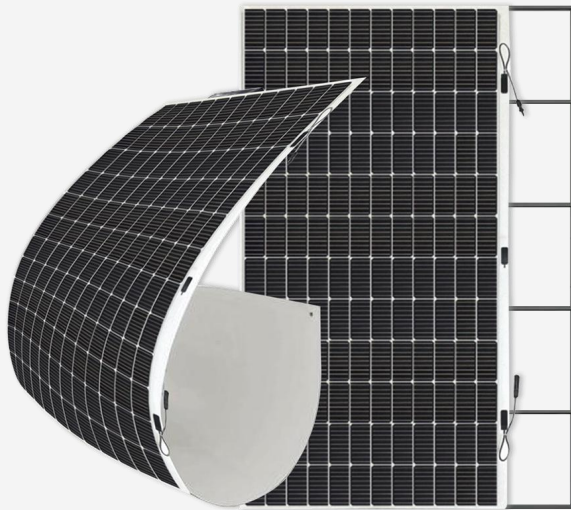


XSFM-490-T2 / Flexible Modules



Optional frame mount

N-TOPCON

Conversion Efficiency
23.5%

Weight
2.7kg/m²

Quality Assurance

Product warranty 12 years
Power warranty 25 years

ELECTRICAL PROPERTY PARAMETER

ELECTRICAL PROJECT		PARAMETERS			
Maximum power	Pmax(W)	460	470	480	490
Optimum operating voltage	Vmp(V)	35.56	35.97	36.39	36.79
Optimum operating current	Imp(A)	12.94	13.07	13.2	13.32
Open-circuit voltage	Voc(V)	43.81	44.04	44.22	44.34
Short-circuit current	Isc(A)	13.67	13.79	13.91	14.01
Module operating temperature range	°C	-40°C~+85°C			
Maximum system voltage	V(IEC)	DC1000/1500			
Maximum fuse current	A	25			
Power tolerance range	%	0~+3%			

*STC(Standard test circumstance): Frontal irradiation 1000W/m², Cell temperature 25°C, Spectrum AM1.5.

TEMPERATURE COEFFICIENT

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

MECHANICAL PARAMETER

Cell type	TOPCon cell 182×91mm
Cell arrangement	120 pcs (10×12)
Module size	2260×1020×2.7mm
Module weight	6.22kg
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

COMPREHENSIVE PRODUCT CERTIFICATION AND QUALITY MANAGEMENT SYSTEM



PRODUCT FEATURE



High reliability in
harsh environment testing



High flexibility
fit all kinds of roofing



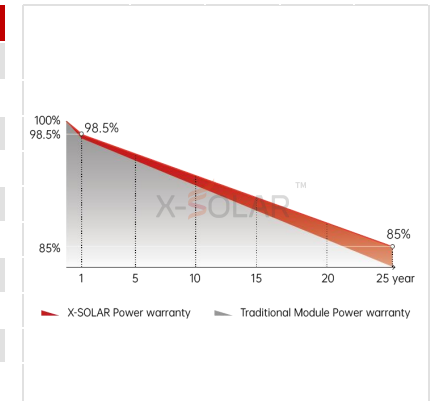
The lack of scaffolds
cuts labor and reduces costs



Customizable dimensions
save transportation costs



Realize mobile energy
through various uses



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 less than 1.5%. From the following year, the annual decline is less than 0.4%. The module power is no less than 85% in the 25th year.

PACKING DETAILS

Transportation	Platform Lorry	Platform Lorry	Container	Container
Size	13m	17.5m	20'C	40'C
Pallet	22	30	4	20
Piece/Pallet	70	70	70	70
Total pieces	1540	2100	280	1400
Packaging size(Pallet)	2320*1110*1200mm			

