

BIPV Module

XSDFM-120-T / Flat Tile

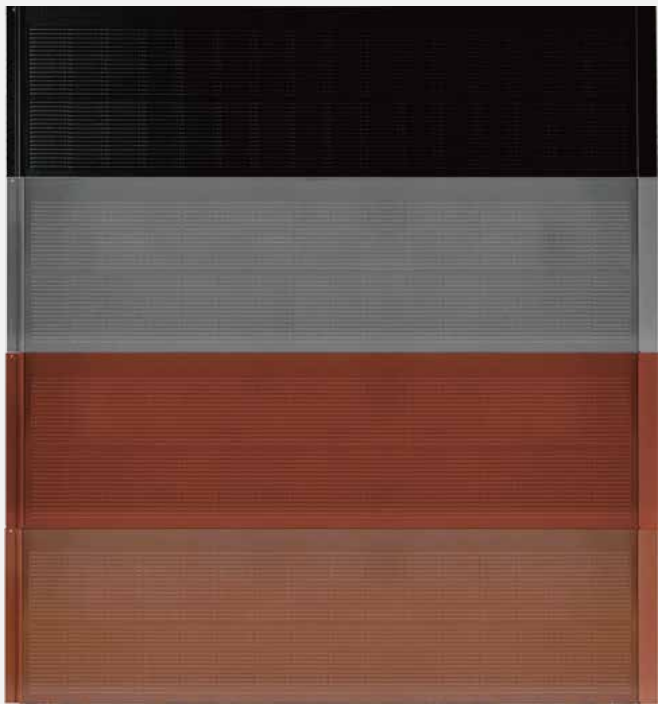
[Multiple color options]

Night black

Sky gray

Brick red

Sunny orange



N-TOPCON

Conversion Efficiency

23.5%

Maximum Power Output

120W

Weight

9.5kg/pc

Quality Assurance

Product warranty 15 years

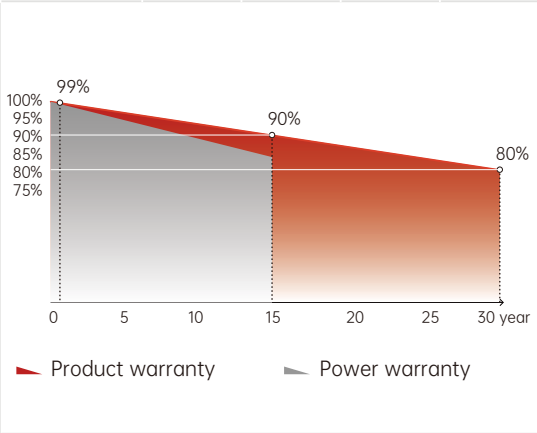
Power warranty 30 years

BIPV solar tiles with large-sized and aluminum alloy frames are widely used for industrial and commercial roofs.

ELECTRICAL PROPERTY PARAMETER

ELECTRICAL PROJECT		PARAMETERS		
Maximum power	Pmax(W)	115	120	125
Optimum operating voltage	Vmp(V)	9.43	9.59	9.62
Optimum operating current	Imp(A)	12.18	12.5	12.89
Open-circuit voltage	Voc(V)	10.88	10.99	11.07
Short-circuit current	Isc(A)	12.97	13.26	13.57
Module operating temperature range	℃	-40℃~+85℃		
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℃, Spectrum AM1.5.



TEMPERATURE COEFFICIENT

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

SAFETY LEVEL & WARRANTY

Safety level	Class II
Product warranty	15 years of product materials and technology
Power warranty	30 years linear power output

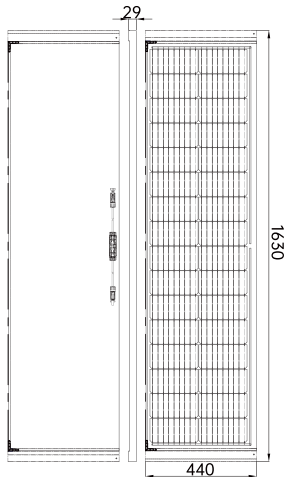
*The attenuation in the first year is 1%.
From the following year, the annual decline is less than 0.5%.
The module power is no less than 80% in the 30th year.

MECHANICAL PARAMETER

Cell type	TOPCon cell 182×91mm
Cell arrangement	32 pcs (2×16)
Module size	1630×440×29mm
Module weight	9.5kg
Junction box	Enclosure rating IP68
Output cable	4mm ² ,900mm 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	60	84	18	56
Piece/Pallet	30	30	30	30
Total pieces	1800	2520	540	1680
Packaging size (Pallet)	1210*1110*1100mm			



COMPREHENSIVE PRODUCT CERTIFICATION AND QUALITY MANAGEMENT SYSTEM



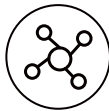
PRODUCT FEATURE



Composite integrated design
drainage, ventilation
and heat insulation



It meets the standards of
building materials while
taking aesthetics into account



The patented design
is convenient
and quick to install



Patented packaging
process with double
waterproof sealing



Customized development
of color for patented
nano-film layers