

Shenzhen Xiangxinrui Solar Energy Co. ,Ltd

Add: 4F Building , Xinfra 1st Rd, Xinfra Industry Park, Shajing,

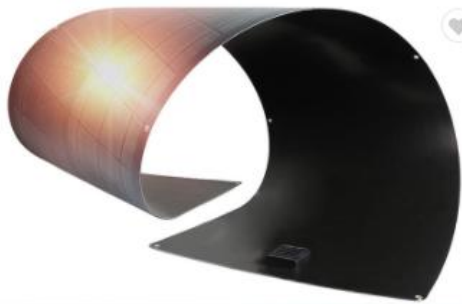
CIGS SOLAR CELL

Unique Production Process CIGS ETFE Flexible Solar Panel



Key Features

SPECIFICATIO



Designed specially for rooftops

Integrates with roofing surface

- No mounting hardware
- No roof penetrations
- No wind load
- Low profile

Flexible module

- Fits many roof types
- Durable, non-breakable
- Light weight

More energy per roof High efficiency CIGS

- 11.4% to 12.7% aperture efficiency
- 50% more efficient than flexible a-Si

High performance

- Performs in all light conditions
- Shade tolerant

Covers entire roof area

- Lays flat. No tilt required
- Minimum module spacing required

Item No.	XXR-170W	XXR-175W	XXR-180W	XXR-185W	XXR-190W	XXR-195W
Solar Panel Size(mm)	1455*660*3mm					
Solar Cell Size (mm)	CIGS solar cell					
	STC					
Max Power(Pmax)	170W	175w	180w	185w	190w	195w
Max Power Voltage(Vmp)	18V	18V	18V	18V	18V	18V
Max Power Current(Imp)	9.44A	9.72	10	10.27	10.55	10.83
Open Circuit Voltage(Voc)	21.24V	21.24	21.24	21.24	21.24	21.24
Short Circuit Current (Isc)	10.38A	10.69	11	11.3	11.61	11.92
Module Efficient STC (%)	19.5	20.0	20.4	20.6	20.8	21
Operating Temperature(°C)	-40°C ~+85°C					
Power tolerance	0~+3W					
Temperature coefficient of Pmax	-0.42%/°C					
Temperature coefficient of Voc	-0.32%/°C					
Temperature coefficient of Isc	0.05%/°C					
Nominal operating cell temperature(NOCT)	45 ± 2°C					

Mechanical Characteristics

Cell Type	CIGS SOLAR CELL
Number of cells	36(4*9)pcs
Dimesion	14550*660*3mm
Weight	2.2KG
Junction Box	Waterproof IP67 Rated
Output Cables	TUV 1*4.0mm ² , Length: 900mm

