

# Solar Tile Series

— 70W 

## All Black Bifacial Solar Tile

### ▼ Characteristic

- **Energy Storage Optional**  
Energy storage system optional,  
according to requirements
- **Power Output Guarantee**  
30 years power generation guarantee
- **Safety**  
Lighter but stronger, best solution for  
the waterproof roof top
- **Architectural Aesthetics**  
Customized tile shapes and colors to  
match the design of the house
- **Integral Design**  
Satisfied your needs for whole  
residential roof to photovoltaic power station
- **Easy to Install**  
Install like traditional tiles, no  
additional brackets, no need to damage the roof





# ● Technical Parameter

## Electrical Characteristics(STC)

Maximum Power (Pmax/W)	70W(0-+3%)
Open Circuit Voltage (Voc/V)	9.5V(+3%)
Short Circuit Current (Isc/A)	9.33A(+3%)
Voltage at Maximum Power (Vmp/V)	8.1V(+3%)
Current at Maximum Power (Imp/A)	4.20A(-3%)

## Mechanical Parameters

Cell Orientation	Monocrystalline PERC Cells166x166mm
Junction box	IEC Certified (IEC62790), IP67,1 Diode
Output Cable	Symmetrical Length (-)700mm AND(+)700mm 4mm <sup>2</sup>
Glass	3.2mm High Transmassion Antireflection Coating Toughened Glass
Frame	Anodized aluminum alloy frame
Weight	5.6kg(+5%)
Dimension	1230 x 405 ×30mm

## Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1000V (IEC/UL)
Maximum Series Fuse Rating	15A
Nominal Operating Cell Temperature <sub>reg</sub>	45±2°C
Protection Class	Class II
Fire Rating	IEC Class C

## Mechanical Loading

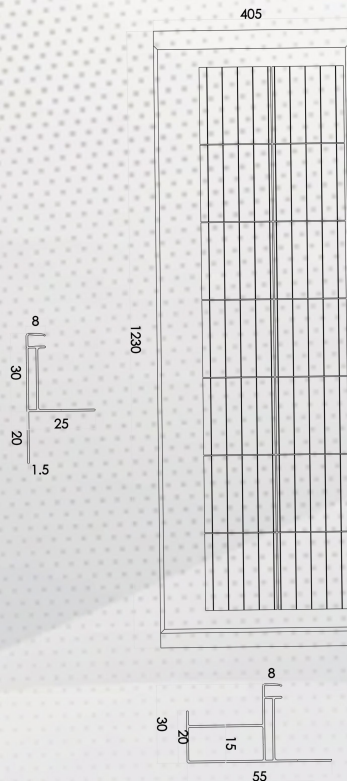
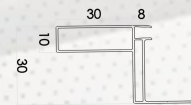
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

## Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C



## Dimensions(Units:mm)



## Warranty

12 Years Warranty for Materials And Processing  
30 Years Warranty for Extra Linear Power Output