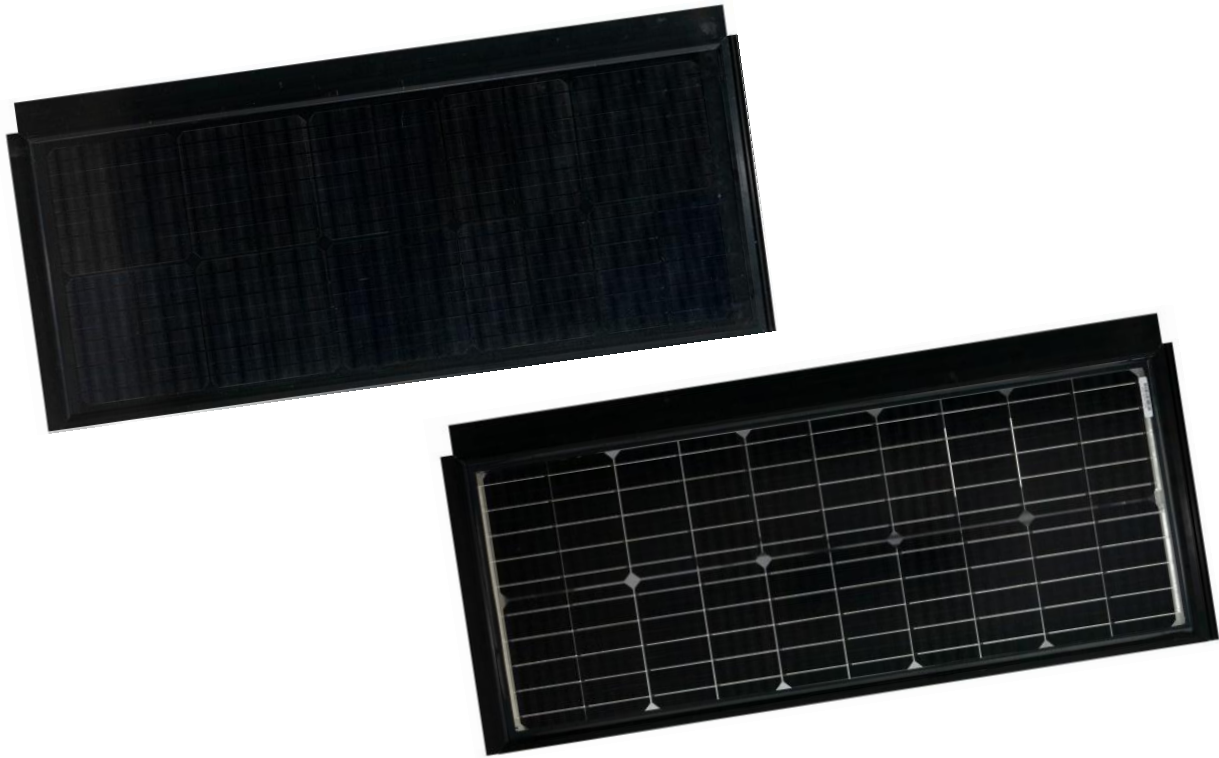








Monocrystalline & Full Black



Features

-  3.2mm thickness tempered glass integrated in according to IEC61730
-  The professional design in waterproof, resist of windstorm & hail
-  Low voltages and fireproof materials can prevent any possibility of fire
-  Lifespan is over 30 years with reliable encapsulating materials
-  Lightweight, compact and simple to install
-  Colors is optional with black/ white/ transparent

Accessories

- Sunk screw: M4.8x30mm
- Sub structure: Wooden slats/steel tubes

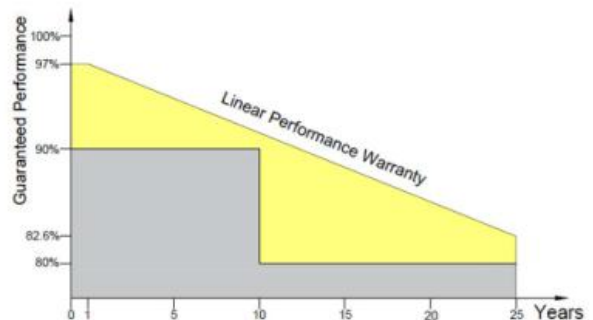
Matching tiles

- Glass type (Uncuttable)
- PC type (Cuttable)



10
Years
Materials

25
Years
Power



Relative efficiency level, at least 97% after first year, annual degradation max.0.6% afterward, at least 91.6% after 10years, and 82.6% after 25years.

Electrical Performance(STC:AM 1.5, 1000W/m², 25°C)

Module Type	ST055M6-20C	ST110M6-36C
Max. Power (Pmax / Wp)	55	110
Power Tolerance	0 ~ +3%	0 ~ +3%
Max. Power Voltage (Vm / V)	11.2	22.4
Max. Power Current (Im / A)	4.92	4.92
Open Circuit Voltage (Voc / V)	13.4	26.8
Short Circuit Current (Isc / A)	5.18	5.18
Module Efficiency (%)	14.26	16.25
Array Efficiency (%)	17.49	18.26

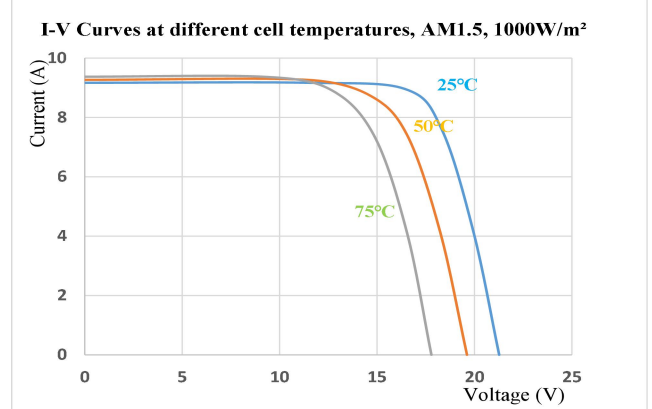
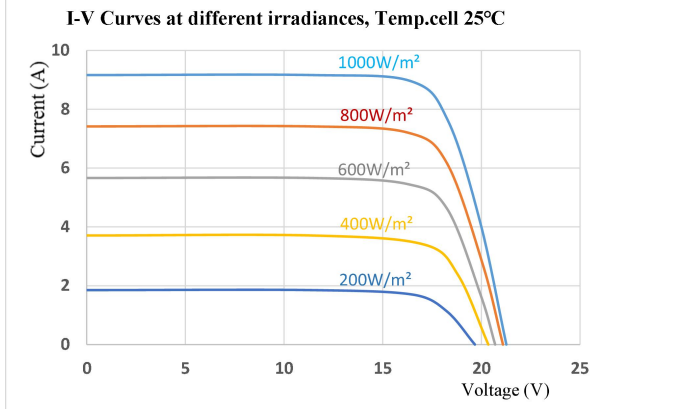
Thermal Properties

Nominal Operating Cell Temp.	45±2 °C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.056%/°C
Temperature Coefficient Pm	-0.36%/°C

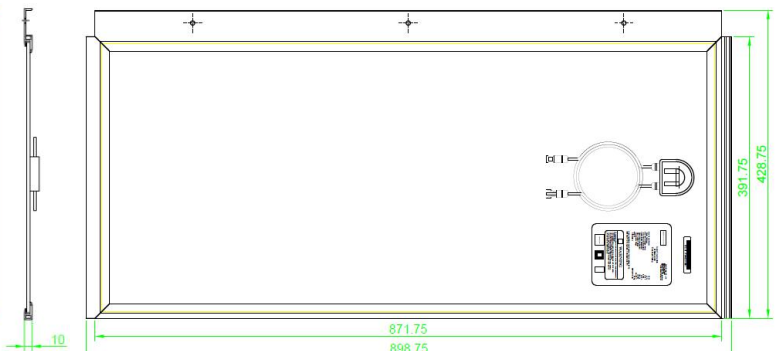
Operation Conditions

Operating Temperature	-40 ~ +85 °C	
Max. System Voltage	1000 V	
Max. Series Fuse Rating	10 A	
Max. Wind & Snow Loads	2400 Pa	5400 Pa
Hail Resistance	Class 4 (∅ 40mm at 23m/s)	
Application Class	Class A	
Fire Safety Class	Class C (IEC61730)	

I-V Curves



Technical Drawing



Mechanical Properties

Product Dimensions (mm)	899×429×10	899×749×10
Array Dimensions (mm)	886×355	886×675
Roof Batten Distance (mm)	355~375	675~695
Roof Batten Size (mm)	W & H ≤ 40	
Array Head-lap Size (mm)	50~75	
Weight (Kgs)		
No. of Cells	20 (2×10)	40 (4×10)
Solar Cells	Monocrystalline 158.75×79.37	
Glass	3.2mm tempered glass	
Frame	Anodized aluminum/Black	
Encapsulation	EVA (UV+/IR+)	
Junction Box	IP 67, 1/2 bypass diodes	
Cable & Connector	2.5mm ² , 50cm, MC4 compatible	
Roof Pitch Range (°)	20~50	
Power Per Sqrm (W)	165	164

Packing Configuration

Container Size	20GP	40HQ
Pieces/pallet		
Pallets/Container		
Pieces/Container		