



# 100W~110W

Monocrystalline silicon  
Light weight flexible  
solar panel

## Key Features

### Lightweight

Optimized composite materials, 60% lighter at the same power

### Flexible

Special manufacturing process and materials provide bending ability

### Excellent Appearance and Performance

Esthetics module design, no flare effect, "0" risk of micro crack

### Easy transportation and installation

Original design making it far less costly for transportation and installation

### Customization

Customization for various scenarios, high additional value

### Superior Low Irradiance Performance

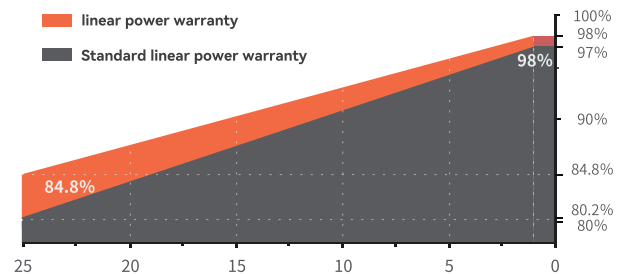
Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

Quality system: ISO 9001: 2005



**CE RoHS**

### Linear Performance Warranty

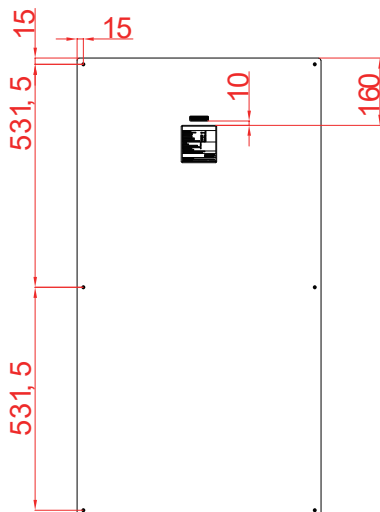
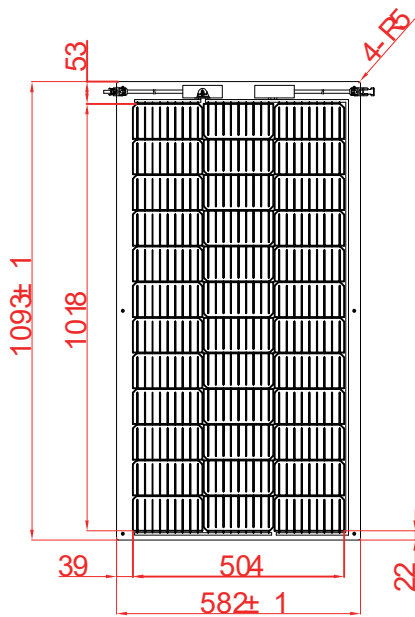


### Leading product and power warranty

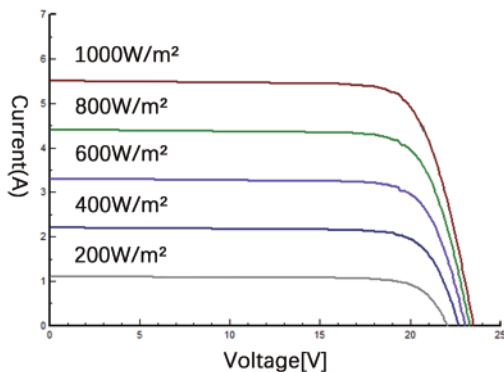
**12** Materials and workmanship warranty

**25** Linear power warranty

## The size of module



## Characteristic Curves



## Electrical Characteristics

ITEM	PURES-100W	PURES-105W	PURES-110W
Maximum Power (Pmax )	100W	105W	110W
Maximum Power Voltage (Vmp)	19.4V	19.5V	19.6V
Maximum Power Current(Imp )	5.20A	5.43A	5.66A
Open-circuit Voltage (Voc)	23.5V	23.6V	23.7V
Short-circuit Current(Isc)	5.51A	5.76A	5.98A
Module Efficiency(%)	15.72%	16.51%	17.29%
Operating Temperature	-40 °C to 85 °C		
Maximum System Voltage	600VDC		
Maximum Series Fuse Rating	15 A		
Application Cla ss	Class A		
Power Tolerance	0~+5 W		
STC:Irradiance 1000W/m <sup>2</sup> , module temperature 25 °C ,AM=1.5			

## Mechanical Characteristics

Solar Cell	Monocrystalline silicon cell
Cell Size	166×83mm
No. of cells	36
Module Dimensions	L:1093*W:582*H:3 mm L:1093*W:582*H:18 mm(J-Box included)
Weight	2.2kg
Backsheet	White PV Backsheet
J-Box	IP 67
Output cables	4mm <sup>2</sup>
Cable length	(+)(-) 300 mm
Connector	MC4 compatible

## Temperature Characteristics

NOCT(Nominal Operating Cell Temperature)	41 ± 2°C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.020%/°C

## Packaging

Container	20'GP	40'HQ
Pieces per pallet	70	70
Pieces per container	1680	3780