

# Sunny Apex

## 12W Foldable Solar Module

## High Efficiency Back-Contact

- ☉ Sunny Apex's foldable solar modules for charging USB port devices
- Made with light weight polymer materials and durable nylon fabric
- ☉ Cells with High conversion efficiency
- Aesthetically using clear surface back-contact cells
- ☉ Excellent performance under low light conditions

**\* Your best choice for off-grid solar application ! \***



### Electrical Specifications

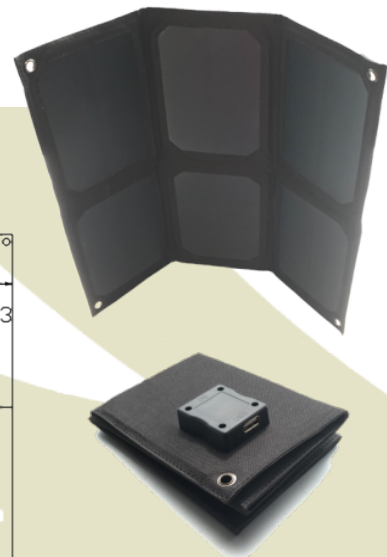
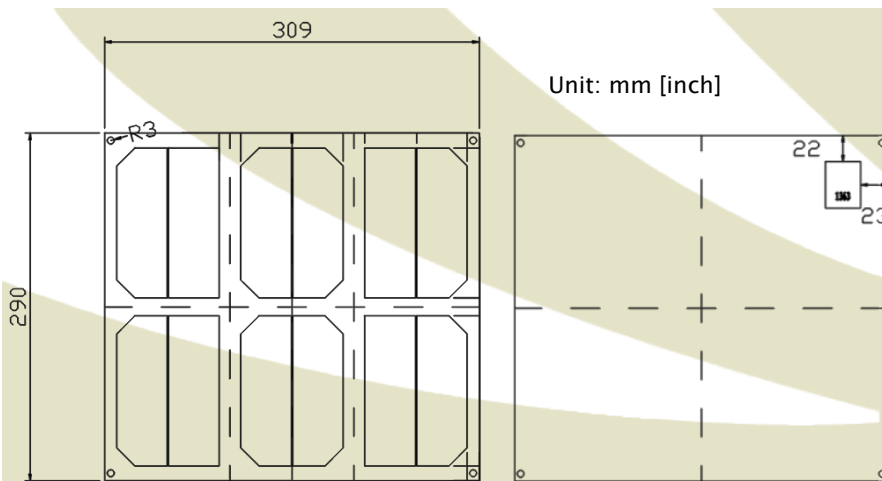
Model Type	SA-FDS12
Peak Power (Pmax)	12W
Module Efficiency	18.90%
Maximum Power Voltage (Vmp)	6.9V
Maximum Power Current (Imp)	1.75A
Open Circuit Voltage (Voc)	7.4V
Short Circuit Current (Isc)	1.92A
Power Tolerance	-5% / + 10%
Maximum System Voltage	70V
Normal Operating Cell Temp.	46 °C (+/-2)

### Mechanical Specifications

Cell type	Back contact high eff. Mono
Number of cells	12 cells in series
Weight	0.25kg [0.55lbs]
Dimensions	290 x 309 mm [11.42 x 12.17]
Thickness	2mm [0.08in] Including ibox: 7mm [0.28in]
Folded dimensions	145.5 x 105 x 50 mm
Junction Box	IP 65 waterproof
Output port	USB output port

### Warranties & Certifications

**Warranties** 2 years product warranty



Note: All electrical parameters are rated at standard test conditions (irradiance of 1000W/m<sup>2</sup>, AM 1.5G, cell temperature 77°F/25°C)  
Caution: Read Safety and Installation Instruction before using this product.

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