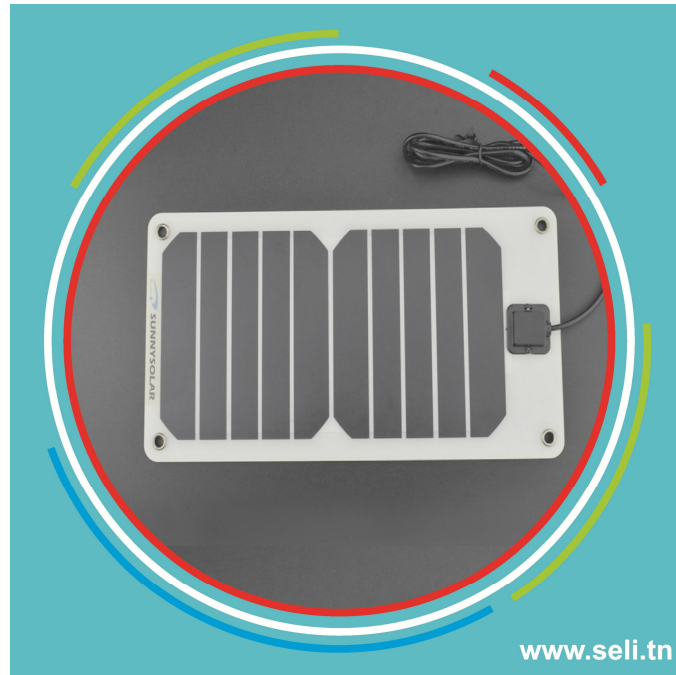


MOD1060

CELLULE SOLAIRE SEMI FLEXIBLE MONOCRYSTALLINE 5V 1A FIT0600



This powerful monocrystalline solar panel features an A-class monocrystalline silicon panel. Due to up to 21% conversion efficiency and waterproof design, you don't have to worry about rains. It can supply plenty of power in various environments to prevent the system from shutting down, even in rainy days.

The energy of solar panel will be particularly efficient when paired with the [DFRobot solar power management board](#). The panels are provided with open holes and copper clasps so that they can be attached directly to the backpack for easy portability and use. The ultra-thin, lightweight design weighs just 87g. It's much lighter than a solar panel in a traditional glass package.

When you hang this panel, make sure the panel is facing the sun and there is no shade covering the solar panel.

Note: monocrystalline silicon has two shapes, but does not affect the performance, will be shipped randomly.

SPECIFICATION

- Operating Voltage: 5V
- Operating Current: 1A
- Maximum power: 5W
- Open-circuit Voltage: 6V

- Short circuit current: 1.1A
- Material: Monocrystalline Silicon Flexible Lamination
- Wire length: 1m
- Product size: 29*15*0.135cm / 11.41*5.9*0.05 in
- Working temperature: -20 ° C ~ 60 ° C

Solar cell (电池片)	SUNPOWER
Maximum power (Wp) (最大功率)	5wp
Maximum power voltage (V) (最大工作电压)	5v
Maximum power current (A) (最大工作电流)	1a
Open circuit voltage (V) (开路电压)	6v
Short circuit current (A) (开路电流)	1.1a
Size of module (mm) (太阳能板的尺寸)	290*150 mm
Maximum system voltage (V) (最大系统电压)	600
Temperature coefficients of Isc (%) (短路电流的温度系数)	0.065+/-0.015%/°C
Temperature coefficients of Voc (%) (开路电压的温度系数)	- (2.23+/-0.1) mv/ °C
Temperature coefficients of Pm (%) (最大功率的温度系数)	- (0.5+/-0.05) / °C
Temperature coefficients of Im (%) (最大电流的温度系数)	+0.1/ °C
Temperature coefficients of Vm (%) (最大电压的温度系数)	-0.38/ °C
Temperature Range (工作温度范围)	-40°C ~ +85°C
Tolerance Wattage (e.g. +/-5%) (功率的公差)	+/-5%
Surface Maximum Load Capacity (太阳能板表面可以承受的最大压力)	15m/s(100kg/sq.m)
Allowable Hail Load (冰雹压力测试)	steel ball fall down from 1m height
Weight per piece (kg) (每块太阳能板的重量)	300g
Aangle of greatest flexion (最大弯曲角度)	30°
Length of Cables (mm) (连接线长度)	-
Cell Efficiency (%) (电池效率)	20%
Output tolerance (%) (输出功率公差)	+/-5%
Frame (Material, Corners, etc.) (边框材料)	Anodized Aluminum Alloy
Standard Test Conditions (标准测试条件)	AM1.5 100mW/C m² 25°C
Warranty (产品质量保证)	5 years product warranty and 25 years 80% of power
FF (%) (填充因子)	75%
Packing (包装)	carton (硬纸盒, 纸板箱)