

柔性太阳能电池板电性参数

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%/℃
Temperature coefficients of Voc (%) (开路电压的温度系数)	- (2.23+/-0.1) mv/℃
Temperature coefficients of Pm (%) (最大功率的温度系数)	- (0.5+/-0.05) /℃
Temperature coefficients of Im (%) (最大电流的温度系数)	+0.1/℃
Temperature coefficients of Vm (%) (最大电压的温度系数)	-0.38/℃
Temperature Range (工作温度范围)	-40℃~+85℃
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)

