

Flexible Solar Panel Datasheet LS-SP120



Description

Our Flexible Solar Panel is a lightweight, bendable and waterproof monocrystalline silicon solar panel, which designed for outdoor and mobile applications. Its flexible design allows easy installation on curved surfaces.

Applications: RV, camping, yacht, roof, balcony, home/garden, DIY solar systems, etc.

Features



High efficiency ($\geq 18.60\%$)



Premium Reliability



Wide temperature range (-40°C to $+85^{\circ}\text{C}$)



IP67 waterproof & dustproof



Ultra-lightweight (2.36kg)



Bendable for curved surfaces

Technical Specifications

Model Type	LS-SP120
Peak Power(Pmax)	120
Maximum Power Voltage(Vmp)	23.10V
Maximum Power Current(Imp)	5.20A
Open Circuit Voltage(Voc)	28.56V
Short Circuit Current(Isc)	5.50A
Module Efficiency(%)	18.60
Maximum System Voltage(V)	1000
Maximum Series Fuse Rating(A)	10
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.400%
Voc Temperature Coefficients(V/°C)	-0.330%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85
Cell Type	182*70 Mono
No. of Cells	42(3*14)
Dimensions	1090*592*2.5mm
Weight	2.36kg
Junction box	IP67
Output cables	2.5mm² cable 50cm + mc4
MaxWind Load/Snow Load	2400Pa/5400Pa
Certificate	CE (LVD, EMC, RoHS), UKCA

* STC: irradiance 1000 W/m2, AM 1.5G, and cell temperature of 25°C