

Foldable Solar Panel

Datasheet

LS-SP100/200/
300/400F



Description:

- 1. High Efficiency & Eco-Friendly:** LS-SP 100/200/300/400F foldable solar panel kit is made of monocrystalline solar cells, up to 23% efficiency and 1/3 lighter than the same power of solar silicon, and can provide more power to your devices and charge it faster.
- 2. Charging Solution:** Equipped with multiple MC4 to Anderson / XT 60 / DC cable connector, it is compatible with most portable power station on the market, no need to worry about running out of power.
- 3. Compact and Portable Design:** This solar panel is light-weight, ultra-thin, and dirt-resistant. With small folded size, making it highly portable and easy to carry, it will not take much room in home and ideal for travel, hiking, camping, and other outdoor activities.
- 4. Waterproof for Outdoor Use:** The photovoltaic panel features an ETFE epoxy resin surface lamination with self-cleaning properties and IP67 dust and water resistance, allowing it to operate normally in unexpected weather conditions and improving durability.

Features



Monocrystalline Silicon



Highly Fluorine-permeable Membrane ETFE



Small Size and Light Weight - Easy to Carry



IP67 Waterproof



Different Connector for Most Power Stations



CE (LVD, EMC, RoHS), UKCA Certificate

Technical Specifications

Model	LS-SP100F	LS-SP200F
Type Name	Foldable Solar Panel 100W	Foldable Solar Panel 200W
Maximum Power (Wp)	100W	200W
Cell No.	2*10	2*10
Cell Material	Monocrystalline Silicon	Monocrystalline Silicon
Process	ETFE laminated integrated	ETFE laminated integrated
Open Circuit Voltage (Voc)	27.95V	27.95V
Short Circuit Current (Isc)	4.69A	9.27A
Maximum Power Voltage (Vm)	23.20V	23.20V
Maximum Power Current (Im)	4.32A	8.63A
Net Weight	3.67KG	6.97KG
MC4 Connector	2mm² 50cm Cable+MC4 (Optional Anderson / XT 60 / DC5521)	2mm² 50cm Cable+MC4 (Optional Anderson / XT 60 / DC5521)
Unfolded Size (L/W/H)	1055*585*5mm	2001*585*5mm
Folded Size (L/W/H)	528*585*25mm	528*585*35mm
Number of Folds	2 Folds	4 Folds
1 in 1 Carton Dimensions (inner)	650*580*70mm	650*590*70mm
Gross Weight	4.5KG	8.5KG
Protection Degree	≥IP67	≥IP67
Maximum System Voltage	1500VDC	1500VDC
Operating Temperature	-20°C... +60°C	-20°C... +60°C
Certificate	CE (LVD, EMC, RoHS), UKCA	CE (LVD, EMC, RoHS), UKCA
Cell (Type/Dimensions)	210*52.5 Mono	210*52.5 Mono

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

Technical Specifications

Model	LS-SP300F	LS-SP400F
Type Name	Foldable Solar Panel 300W	Foldable Solar Panel 400W
Maximum Power (Wp)	300W	400W
Cell No.	3*5	4*5
Cell Material	Monocrystalline Silicon	Monocrystalline Silicon
Process	ETFE laminated integrated	ETFE laminated integrated
Open Circuit Voltage (Voc)	43.37V	55.90V
Short Circuit Current (Isc)	8.96A	9.27A
Maximum Power Voltage (Vm)	36.00V	46.40V
Maximum Power Current (Im)	8.34A	8.63A
Net Weight	9.85KG	12.90KG
MC4 Connector	4mm² 50cm Cable+MC4 (Optional Anderson / XT 60 / DC5521)	4mm² 50cm Cable+MC4 (Optional Anderson / XT 60 / DC5521)
Unfolded Size (L/W/H)	2445*676*5mm	2445*886*5mm
Folded Size (L/W/H)	639*676*35mm	639*886*35mm
Number of Folds	4 Folds	4 Folds
1 in 1 Carton Dimensions (inner)	740*700*70mm	950*700*70mm
Gross Weight	10.33KG	13.55KG
Protection Degree	≥IP67	≥IP67
Maximum System Voltage	1500VDC	1500VDC
Operating Temperature	-20°C... +60°C	-20°C... +60°C
Certificate	CE (LVD, EMC, RoHS), UKCA	CE (LVD, EMC, RoHS), UKCA
Cell (Type/Dimensions)	210*105 Mono	210*105 Mono

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