



100W 12 Folds FOLDABLE SOLAR PANEL – PRODUCT DATASHEET

Product Name: Foldable solar panel

Product Model: JSL-100-12

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Brand: JSL Power

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1. Product Specification

Item	Specification
Model	JSL-100W-12
Max Power(Pmax)	100W
Open-circuit Voltage(Voc)	21.7V
Short-circuit Current(Isc)	5.75A
Optimum Operating Voltage(Vmp)	18.24V
Optimum Operating Current(Imp)	5.48A
Cell Type	Monocrystalline
Cell Efficiency	23%
Folding Structure	1-2 Folds (1×2)
Unfolded Dimension	1031×773×25mm
Folded Dimension	510×773×35mm
Package Dimension	570×833×60mm
Net Weight	4.85KG

*STC: Standard Test Conditions (Standard Tested Condition): AM=1.5, 25°C, 1000W/m².

*Electrical performance parameters may vary for each individual product. Actual values refer to test data. Parameter tolerance: -5% ~ +10%.

2. Temperature Co-efficiency

Parameter	Coefficient
Power Temperature Coefficient	-0.38%/°C
Voltage Temperature Coefficient	-0.31%/°C
Current Temperature Coefficient	+0.048%/°C

3. Features

- High-efficiency monocrystalline solar cells with 23% conversion efficiency
- Integrated lamination ETFE surface, scratch-resistant and anti-aging
- 5-8 years design service life for integrated lamination structure
- Light-weight and foldable design, easy storage and portability
- Good flexibility, suitable for curved surface installation
- IP65 water-resistant surface for outdoor environment
- Quick installation, support adhesive mounting without drilling

4. Application Scenarios

This foldable solar blanket is ideal for off-grid & outdoor camping power supply, also as supplementary power for RV trip. - Outdoor camping - Remote off-grid power - Emergency backup power

5. PRECAUTIONS

Do not fold or tread on the solar panel while in use.

- Keep the surface clean; wipe ETFE surface gently with soft cloth.
- Do not install in places with open fire or high-temperature heat source.
- This solar blanket is IP65 surface-resistant, do not immerse in water.
- Avoid sharp objects scratching the ETFE surface.
- Only match with compatible solar charge controller.