300W FLEXIBLE SOLAR PANEL – PRODUCT DATASHEET

Product Name: Flexible solar panel

Product Model: JSL-300-EWH

Document Version: 2026-V1

Brand: JSL Power

Distributed by : JSL Power

TABLE OF CONTENTS

1. Mechanical Parameters
2. Solar Panel Electrical Performance Parameters
3. Cell Temperature Coefficients
4. Precautions
5. Warranty
6. Packaging

1. MECHANICAL PARAMETERS

Parameter	Specification
Cell Type	Monocrystalline Cell
Individual Cell Dimensions	182×91mm
Panel Length & Width	L: 1564* W:994* H: 3mm
Module Dimension (including Junction Box)	L: 1564* W:994* H: 18mm
Wire	Wire MC4 compatible connector,wire/connector can be customized
Weight (single unit net weight)	5.4kg
Accessories	/

*Cell busbar configuration, model, and brand may be subject to minor adjustments in response to market changes, which may result in minor dimensional adjustments accordingly.

2. SOLAR PANEL ELECTRICAL PERFORMANCE PARAMETERS

Parameter	Value
Peak Operating Power Pmax (@STC)	300W
Peak Operating Voltage Vmp (@STC)	45.5V
Peak Operating Current Imp (@STC)	6.59A
Open-Circuit Voltage Voc (@STC)	54.6V
Short-Circuit Current Isc (@STC)	6.9A
Module Conversion Efficiency	19.3%
Operating Temperature Range	-40 °C to -85 °C
Maximum System Voltage	1000 VDC
Series Fuse Rating	20 A
Application Class	Class A
Output Tolerance	0 ~ +5%

*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%.

3. CELL TEMPERATURE COEFFICIENTS

Item	Value
NOCT(Nominal Operating Cell Temperature)	41 ± 2°C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.020%/°C

4. PRECAUTIONS

4.1 OPERATING ENVIRONMENT

Use in an unobstructed outdoor environment with direct sunlight. The panel surface should be as perpendicular to sunlight as possible.

4.2 STORAGE CONDITIONS (LONG-TERM)

Temperature: 10~35°C; Humidity: not exceeding 60%.

4.3 OPERATING TEMPERATURE

-20°C ~ 60°C. Keep away from open flames. Do not allow high-temperature devices to contact the solar panel.

4.4 CHEMICAL EXPOSURE

This product must not come into contact with strongly corrosive substances.

4.5 PHYSICAL HANDLING

During use, avoid scratching or impacting the solar panel surface with hard objects. Handle with care.

4.6 STRUCTURAL STRESS

During transport and mounting, avoid subjecting the solar panel to significant bending stress.

4.7 ELECTRICAL SAFETY

When performing mounting, grounding, wiring, cleaning, or other operations on the photovoltaic module, always use appropriate electrical safety protective equipment to avoid electric shock or cuts.

5. WARRANTY

Module warranty period: 12 months. Within the warranty period, if quality issues arise with the product, we will provide corresponding repair and replacement services.

6. PACKAGING

Place foam corner protectors on the four corners of a single solar panel and pack it into an inner box

Loading Info	20GP	40 HQ
Pieces per Pallet	70	70
Pieces Per Container	840	1820

Article number: JSL-300-EWH