



100W Flexible Solar Panel Specification Datasheet

Product Model : JSL-1055-100W

Product Specification: 1055*612*23mm (with junction box)

Branded & Distributed by JSL Power

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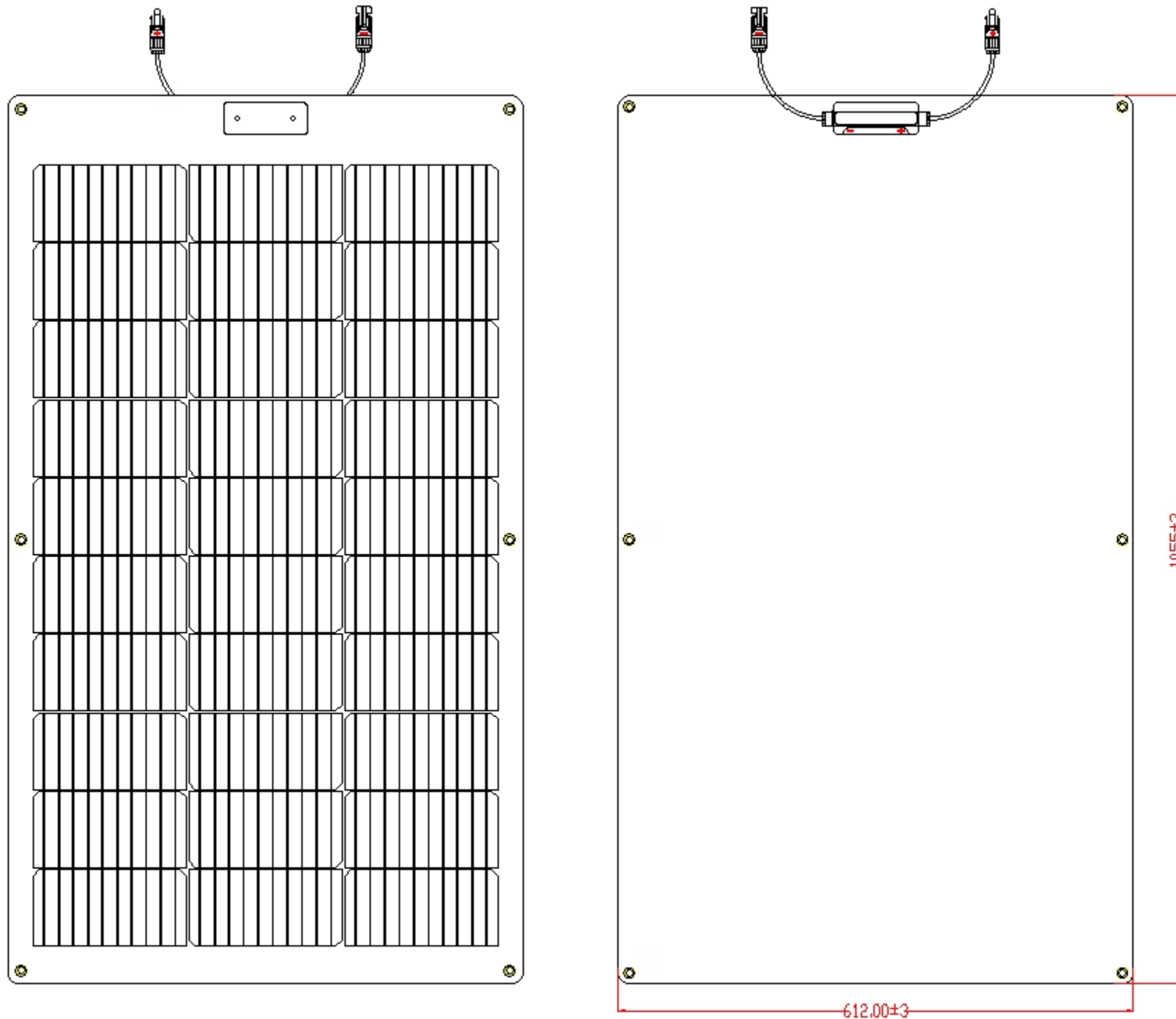
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1. Front and Rear View of Solar Panel



(Figure 1-1) Front and Rear View of Solar Panel

2. Mechanical Parameters (Cutting Process: Laser Cutting)

Cell Type	182 Monocrystalline Solar Cell
Cell Dimensions	182*91mm
Module Length (Bare Panel)	1055mm±3mm
Module Width (Bare Panel)	612mm±3mm
Module Thickness (10mm from panel edge)	23mm±3mm (including junction box)
Junction Box	PV-CY-012 Inline Junction Box
Output Cables	MC4 (1*2.5mm ² cable, 900mm±10mm)
Weight (Net Weight per Unit)	1.8Kg±0.2Kg

*Cell busbar specifications, model numbers, and brands may be subject to minor adjustments in response to market changes, which may result in slight dimensional variations.

3. Solar Panel Electrical Performance Parameters (Standard Test Conditions)

Bare Panel Electrical Performance Parameters

Maximum Power Pmax (@STC)	100W (-5%, +10%)
Maximum Power Voltage Vmp (@STC)	17.1V (-5%, +10%)
Maximum Power Current Imp (@STC)	5.85A (-5%, +10%)
Open Circuit Voltage Voc (@STC)	20.4V (-5%, +10%)
Short Circuit Current Isc (@STC)	6.2A (-5%, +10%)

Note: STC: Standard Test Condition: AM=1.5 , 25°C , 1000W/m². SMQ B.

4. Solar Cell Temperature Coefficients

Power Temperature Coefficient	-0.4%/°C
Voltage Temperature Coefficient	-0.31%/°C
Current Temperature Coefficient	+0.038%/°C

*Refer to solar cell specification sheet

5. Encapsulation Method and Surface Finish

1. Encapsulation method: ETFE + EVA + Solar Cell Semi-finished Product + Black CPC.
2. Solar panel surface finish: ETFE (matte).

6. Standard Test Conditions and Methods

1. After lamination, the solar panel undergoes electrical performance testing.
2. Solar irradiance: 1000W/m^2 , or SMQ B.
3. Temperature: 25°C .
4. Humidity: 10~90%.
5. Air mass: AM1.5.

7. Test Standards

1. Adjust the light intensity to the customer-approved sample or our company's internal calibration sample; testing instruments shall be based on the Disheng production test bench.
2. Use a module tester for wired testing; modules with a tested power value $\geq 95W$ are considered qualified.
3. Calibrate light intensity once every 2 hours.

8. Usage and Storage Conditions

1. Use in an outdoor environment with unobstructed sunlight, and keep the product surface as perpendicular to sunlight as possible.
2. Long-term storage conditions: Temperature 10–35°C, Humidity $\leq$ 60%.
3. Operating temperature range: –20°C ~ 60°C.
4. This product must not come into contact with strongly corrosive substances.
5. During use, avoid scratching or impacting the solar panel surface with hard objects.
1. 6. During transportation and installation, avoid subjecting the solar panel to significant bending stress.

9. Warranty Period

Module warranty period: 1 year.

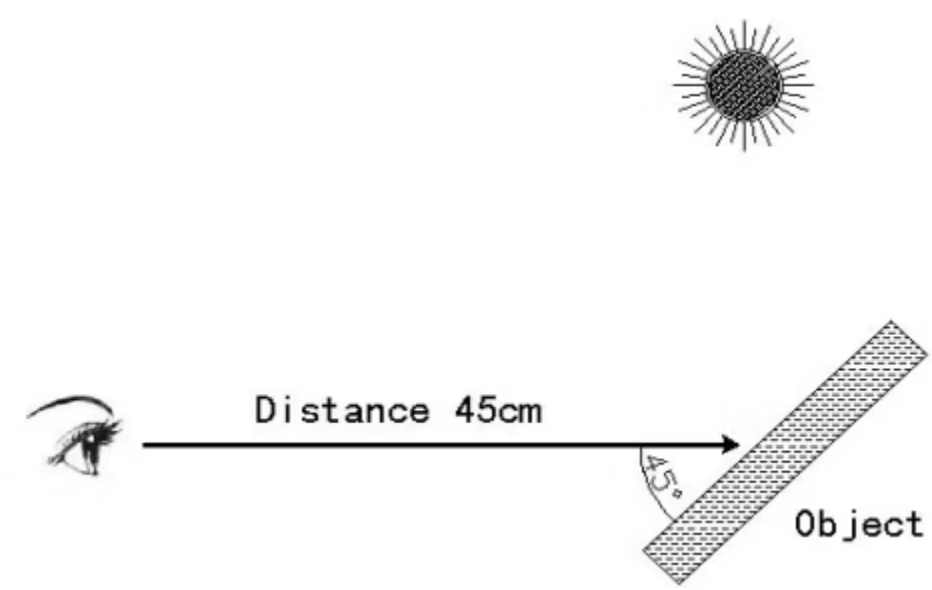
10. Visual Inspection Standards

1. Visual Inspection Standards: Based on Disheng internal inspection standards or mutually agreed-upon standards between both parties.

(Inspection standards to be signed separately)

2. Inspection Method:

Viewing Angle: The inspector's line of sight shall be at a 45° angle to the product surface, at a viewing distance of 45 cm (see diagram below).



Inspection Time:

Inspection Surface	Front Side	Back Side
Time (seconds)	5	3

3. Metal components on the product such as screws, eyelets, rivets, frames, and other hardware are physically fastened during the manufacturing process. Minor surface scratches or cosmetic imperfections may occur as a result and are considered normal and unavoidable defects inherent to the manufacturing process.

11. Packaging

1. Each solar panel is fitted with foam corner protectors on all four corners before being placed into the inner box.
2. The inner box is then placed into the outer box, 1 PCS/outer box.

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