Manuals+ — User Manuals Simplified.

Callsun-DB100W Topcon Mono Facial Module User Manual

Callsun-DB100W Topcon Mono Facial Module
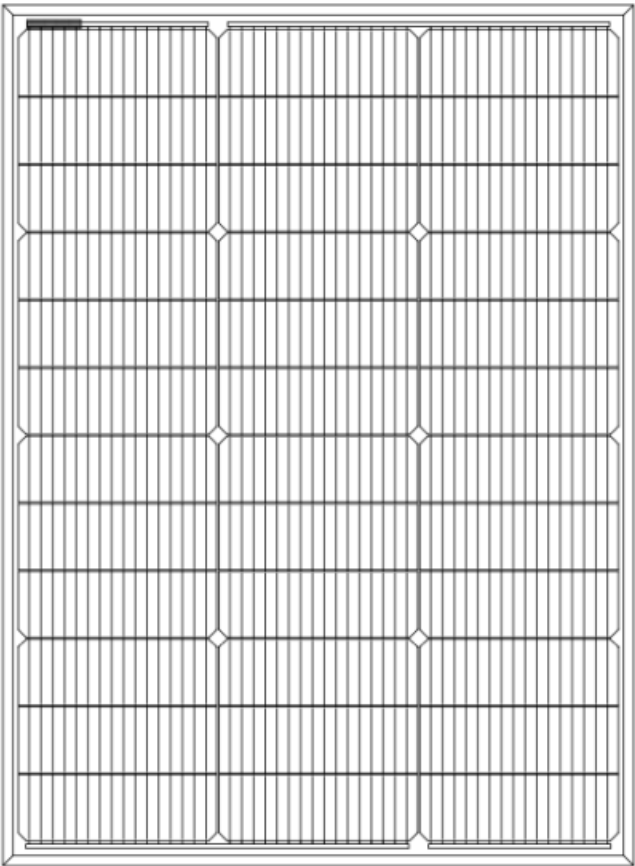
IEC 61215, IEC 61730
ISO 9001: 2023 Quality management systems
ISO 14001: 2023 Environmental management systems
ISO 45001: 2023 Occupational health and safety management systems.

Contents

Thank You

Thank you for purchasing the Solar Panel. Before using this product, please carefully read this manual. Once you use this product, it will be deemed that you fully acknowledge and accept all the contents of this manual. Please strictly follow the instructions in this manual when using this product and pay close attention to the precautions.

We are not responsible for any direct or indirect losses or injuries caused by improper use of the solar panel, including but not limited to short-circuiting the product, overheating, inserting foreign objects, disassembly, throwing, heavy pressure, and using low-quality controllers, etc.

*Please confirm in advance whether the parameters of this solar panel match the input specifications of your equipment. Failure to meet these specifications may result in damage to the products.

⚠ Product Use Precautions

1. Never attempt to disassemble, inserting foreign objects damage or modify the unit, as this may lead to unforeseen risk.
2. During charging, keep away the solar panel from combustible materials.
3. Avoid dropping, placing heavy objects on, or subjecting this unit to strong impacts.
4. Do not bend the solar panel. Handle with care during use to prevent collisions with the solar panel. Avoid touching it with sharp objects and refrain from forcefully striking the product.
5. Do not step on, stand on, or jump on the surface of the solar panel. Heavy or sharp objects may scratch the solar panel, causing small cracks and affecting output power or posing a risk of injury.
6. Do not pull the power cable hard to avoid the power cable from breaking or falling off.

Product Highlights

Strengthen Mechanical Load Professional reinforced mechanical loads.		**Fire-proof Level A** PV modules have excellent fire resistance.	
More Energy Yield Higher energy production makes sure we always achieve your needs.		**Anti -PID** Excellent Anti-PID performances are ensured by optimized production process and material control.	

MBB Super Multi Main Grid Technology Half Cell Process
Combining these technologies results in solar modules that are more efficient, and are able to handle challenging environmental conditions.

Product Dimensions

Length: ±2mm, Width: ±2mm, Height: ±1mm.
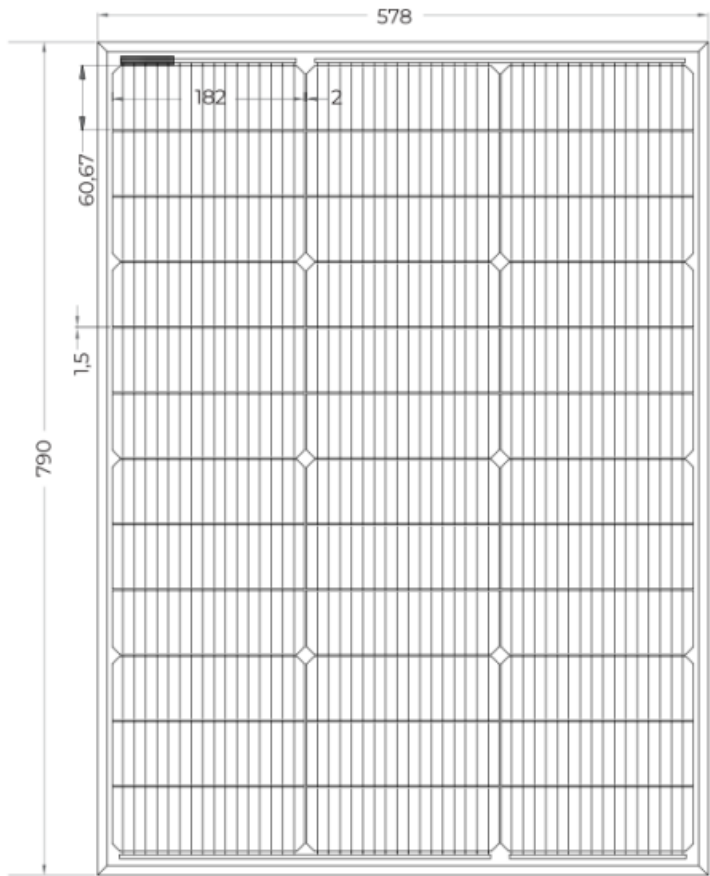
Front
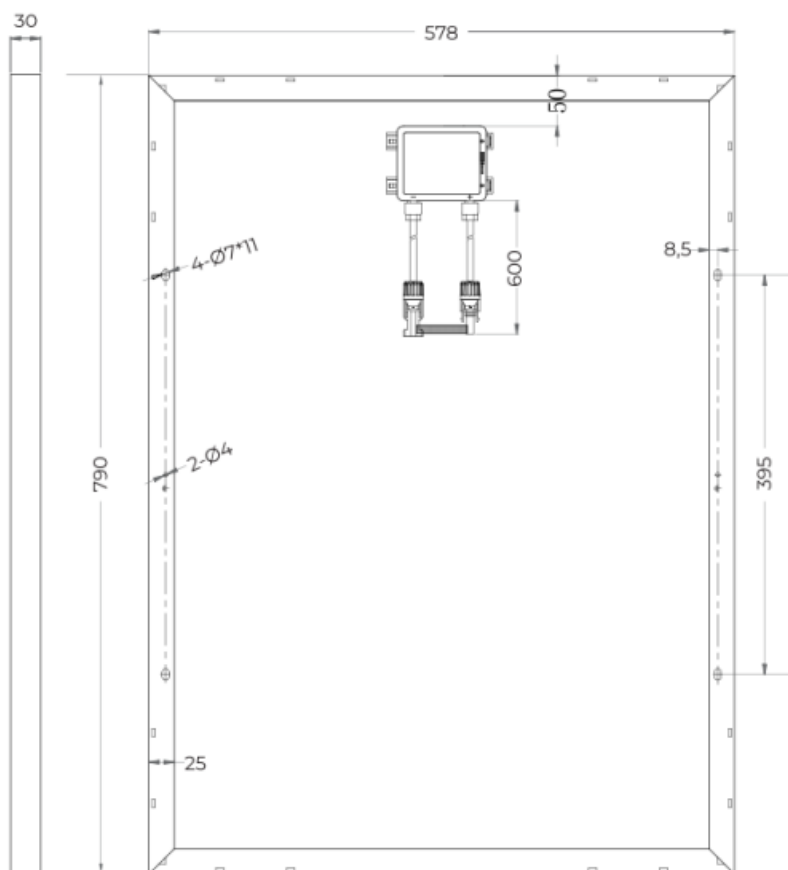
Side Back

Mechanical Characteristics (STC)

Model	Callsun-DB100W
Maximum Power (Pmax)	100W
Maximum Power Voltage (Vmp)	22.68V
Maximum Power Current (Imp)	4.41A
Open-circuit Voltage (Voc)	26.02V
Short-circuit Current (Isc)	4.63A
Cell Type	Monocrystalline Silicon, TOP Con
Efficiency	25%
Power Tolerance	0~±5%
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	25A
First Year Degradation Rate	1%
Linear Degradation Rate	0.4%
Commitment to maintain 84.5% output	25 years

*STC(Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5.

Specifications

Dimension	578*790*30mm
Weight	5.2±0.2kg
Cell Arrangement	36pcs (3*12)
Glass	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
IP Rating	IP68
Max. Wind Load/Snow Load	2400Pa/5400Pa
Connector	MC-4 Compatible

Temperature Coefficients

Temperature Coefficients of Pmax	-0.30%/K
Temperature Coefficients of Voc	-0.25%/K
Temperature Coefficients of Isc	0.045%/K
Operating Temperature (°C)	-40°C~+85°C

Product Maintenance

After long-term use, dust may adhere to the surface of the panel, blocking sunlight and reducing the cells ability to absorb sunlight. Regularly clean the solar panel by gently wiping it with a damp cloth. Do not use corrosive liquids to clean the solar panel.

Where To Use It?

The solar panel must be exposed to direct sunlight with no obstructions on its surface. Please use it under clear sunlight without clouds, trees, or buildings blocking the sunlight.

Warranty Policy

We provide a 10-year warranty service for materials and workmanship on this 100W N-Type Solar Panel. Within 10 years from the date of purchase, if the product experiences faults under normal usage, please apply for warranty with the purchase receipt.

The following situations are not covered by the warranty:

1. Cosmetic flaws caused during use.
2. Product malfunctions resulting from self-disassembly, repairs, or human-induced causes.
3. Damages caused by uncontrollable factors such as natural disasters, thunderstorms, accidents, and the like.

Warranty Application Process:

1. Please contact our customer service team, providing the purchase receipt and a detailed description of the issue.
2. Our customer service team will assist you in submitting the necessary information and documents.
3. After confirmation, we will provide you with an appropriate warranty solution.

Customer Support

If you have any questions or need assistance, please feel free to reach out to us via the following email:
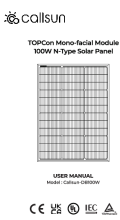callsun-**service@outlook.com**

Specifications are subject to change without notice!

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Documents / Resources

callsun Callsun-DB100W Topcon Mono Facial Module [pdf] User Manual
Callsun-DB100W Topcon Mono Facial Module, Callsun-DB100W, Topcon Mono Facial Module, Mono Facial Module, Facial Module

References

- **User Manual**