



Gx Electrical Solar Combiner Box Instruction Manual

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Gx Electrical Solar Combiner Box



PRODUCT INFORMATION

Product Overview

The Gx ElecuicaL combiner box is a device specially designed for solar power generation systems to centrally manage the convergence of currents between solar panels. It plays a key role in solar power generation systems, helping to optimize the collection and transmission of electrical energy to the maximum.

Safety Instructions

1. Before operating this device, be sure to read and understand this manual carefully.
2. When operating or maintaining equipment, it is important to ensure that the power supply is disconnected to avoid the risk of electric shock and shock.
3. Do not expose the device to dangerous environments such as moisture, high temperature, fire sources, etc. to prevent damage or malfunction of the equipment.
4. It is strictly forbidden to disassemble and repair the equipment without authorization, so as not to cause equipment failure or personal injury.
5. Be careful not to collide with sharp objects that could cause case breakage or other damage.
6. If there is an abnormal situation with the equipment, stop using it immediately and contact our after-sales service team.

Specifications & Features

Main specifications:

1. **Input voltage range:** 16A per string, total switch 80A, suitable for all kinds of solar panel connection.
2. **Output current range:** 0A – 80A, effectively supporting systems with multiple generation capacities.
3. **Protection class:** IP65, with dustproof and waterproof function, adapt to the harsh environment.
4. 6PCS Reciprocating DC Circuit Breaker 1P 225V Reciprocating DC Circuit Breaker 2P 225V lightning protection 2P 1000V 40KA

5. Anti-reflow diodes MDK 1600V
6. Product size; 360x280x130mm
7. **Weight:** 6kg.

Features & Benefits

- **Efficient energy gathering:**

The Gx ElecuicaL combiner box uses advanced energy management technology to efficiently pool the power of multiple solar panels into the inverter or grid to maximize energy utilization.

- **Safe and reliable:**

Combiner box has built-in safety mechanisms such as overload protection and short circuit protection to effectively prevent accidents and equipment damage.

- **Durable design:**

The device housing is made of weather-resistant materials and is UV and corrosion-resistant to adapt to a variety of outdoor environments.

- **Easy to install:**

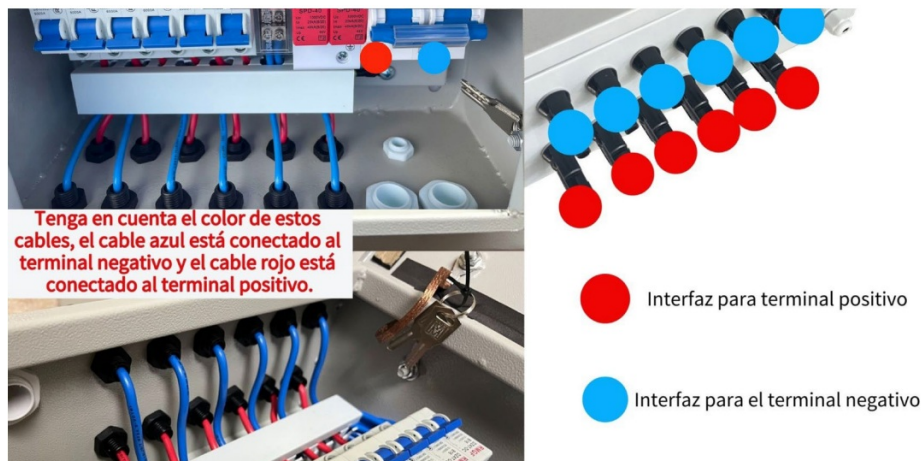
The compact design of the device is equipped with a variety of mounting holes for easy installation on different sites and structures.

- **Scalability:**

Support the parallel use of multiple combiner boxes to meet the needs of different power generation capacities, convenient system expansion, and upgrades.

- **Environmental protection and energy saving:**

Reduce energy consumption by optimizing the energy aggregation process, improve the efficiency of renewable energy utilization, and reduce the impact on the environment.



Please note: The positive pole of the combiner box is a male plug. Please use the positive terminal of the PV module with a maternal terminal.



Instruction for use

Loosen the output waterproof connector, connect the cable with the positive (left) and negative (right) ports of the circuit breaker, and make sure the cable and waterproof connector are tightened. It is recommended to choose a 7AWG-5AWG cable, please connect the positive and negative output poles to the solar charge controller or inverter. Then connect the negative and positive poles of the solar panel with the DC input ports, respectively. The last step is to turn on the circuit breaker switch.

Maintenance & Care

1. Regularly check the cable connections of the device for loose and make sure the electrical connection is good.
2. Clean the device shell regularly to ensure good heat dissipation and avoid dust accumulation affecting the performance of the equipment.
3. Please check the lightning protection module after the lightning weather, if the fault indicator is "red", please replace the module in time.
4. When maintaining or testing this combiner box, please note that the input and output ports may be live, and be aware of electric shock or damage to other equipment.

FAQ

What are the main functions of combiner boxes?

The combiner box is used to centrally manage the current output of solar panels, ensure efficient aggregation and transmission of electric energy, and improve the efficiency of the solar power generation system.

Are users allowed to repair the device themselves?

It is not recommended for users to repair the equipment by themselves, unauthorized operation may cause damage to the equipment or injury to personnel. Please contact a professional maintenance team.

Warranty and contact details:


1. This product enjoys one year of free warranty service, and during the warranty period, free repair due to quality problems.
2. If you have any questions, please feel free to contact us on Amazon or send an email to:

GxElecuical@outlook.com.

We will do our best to solve all problems and ensure your satisfaction. We provide you with high-quality solar power solutions and hope that you will take full advantage of the Gx Elecuical combiner box to bring greater efficiency and stability to your solar power generation system.

Thank you for choosing our products!

Documents / Resources

	Gx Electrical Solar Combiner Box [pdf] Instruction Manual Solar Combiner Box, Combiner Box, Box
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References

- [User Manual](#)