

# YMX800A Series product user manual

Please read it carefully before use

## **Attention**

Strictly comply with installation requirements to avoid injury to personnel and products.

## **Install**

- Please follow these instructions to avoid any performance impact.

## **Warning**

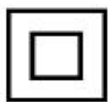
- Before connecting or disconnecting cables, shut down the inverter.
- When the photovoltaic array is exposed to light, it provides a direct current voltage to the device.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
  - (1) This device may not cause harmful interference.
  - (2) This device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - —Reorient or relocate the receiving antenna.
  - —Increase the separation between the equipment and receiver.
  - —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - —Consult the dealer or an experienced radio/TV technician for help.
- To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended

Caution: Electric shock risk - When the photovoltaic array is exposed to light, it provides DC voltage to the device

Caution: Risk of electric shock - Do not remove the rear cover, there are no user repairable parts inside



Operation guidance



Protect equipment with double insulation or reinforced insulation



Be aware of shock risk



Drive with Caution

## Declaration

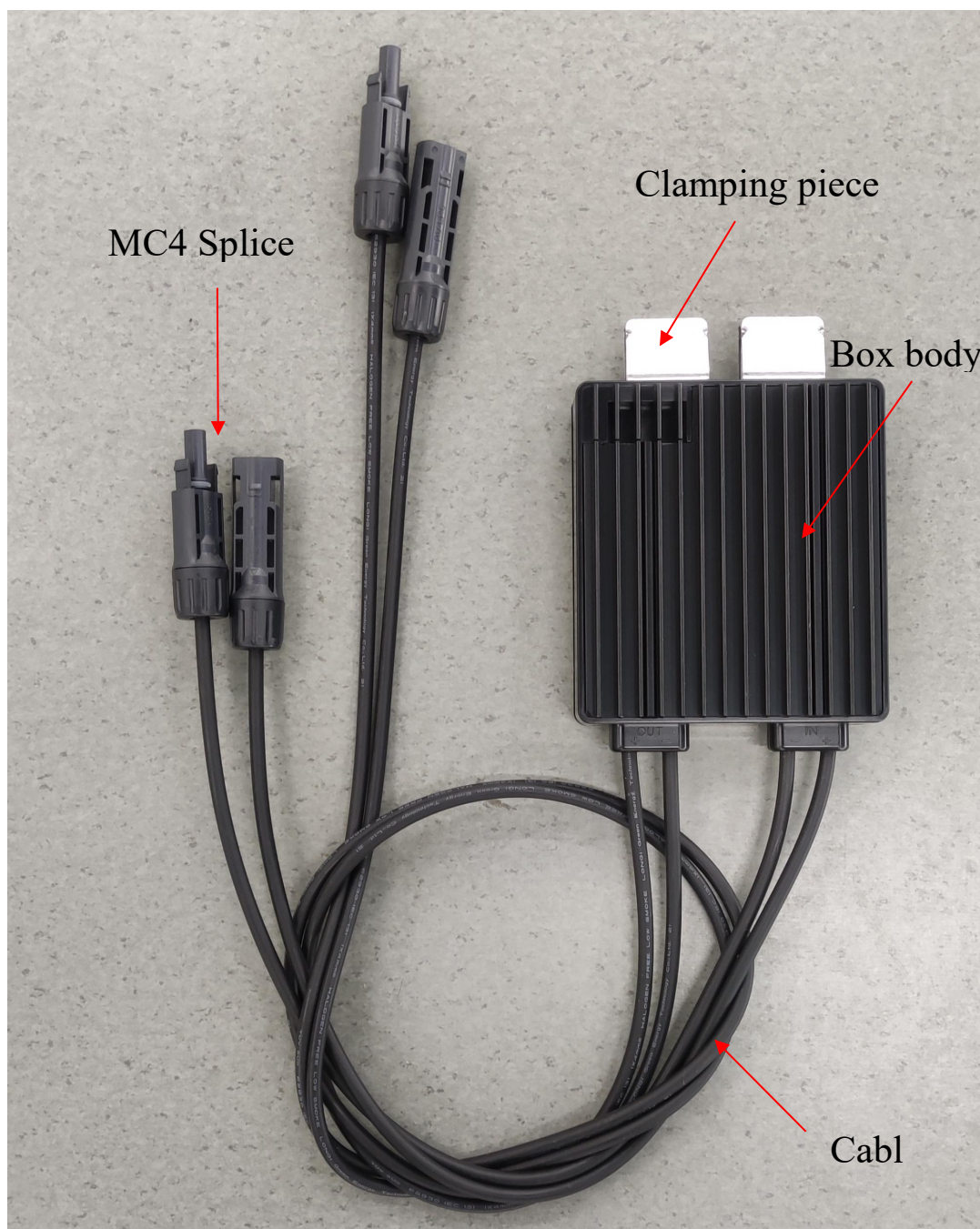
- Reproduction, transfer, distribution or storage of any version of this document is prohibited without the written permission of the company;
- Any technical improvements or external changes will be subject to the product and nameplate. All changes will be included in a new version of this document without notice.

## Parameter index

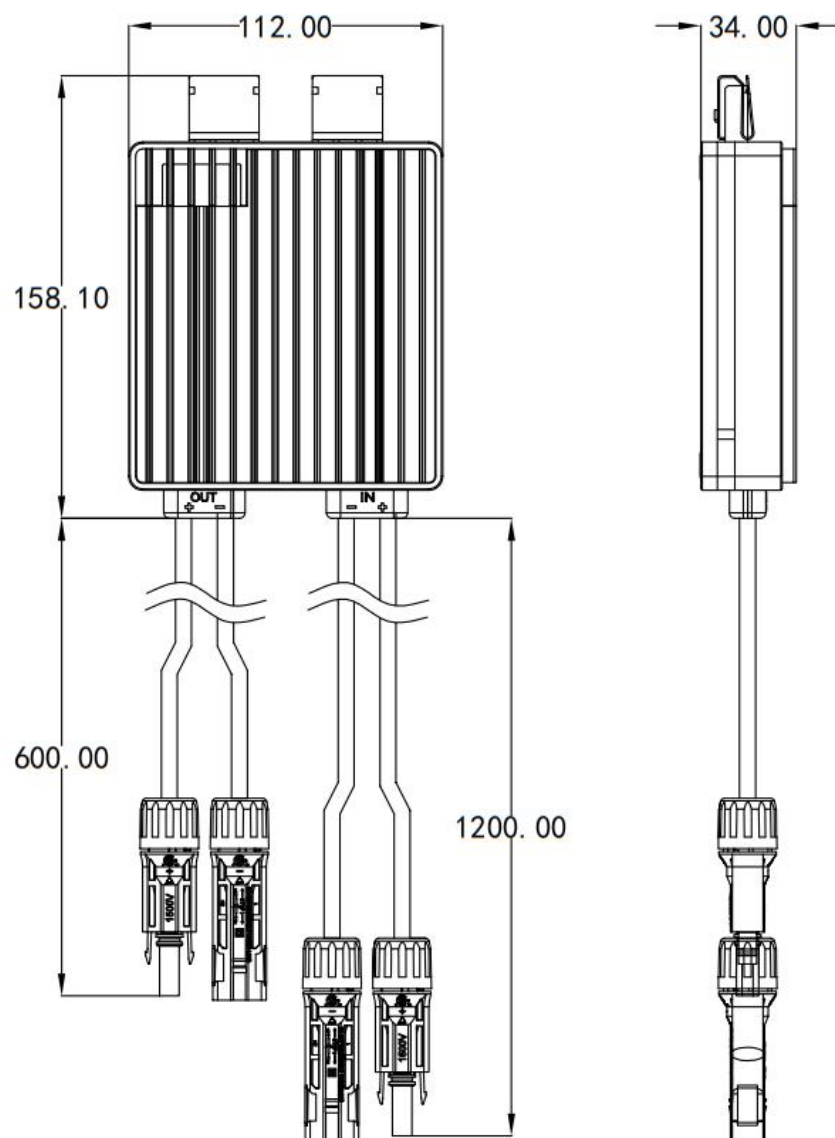
Maximum system voltage	1000V&1500V DC
Maximum input voltage	80V
Maximum input current	15.5A
Maximum output voltage	80V
Maximum current output	16A
Maximum power	660W
Class of pollution	3
Safety class	Class II
Cable diameter	4mm <sup>2</sup>
Protection class	IP68
Altitude	<3000m
Over pressure grade	OV II
Ecolabelling	Outdoor and indoor
Wet locations	Yes
Operating Temperature Range	- 40°C ~ +85°C
Communication mode	2460MHz
Weight	895g

## Basic information

Name of part



Boundary dimension



## System application





## Spare parts selection

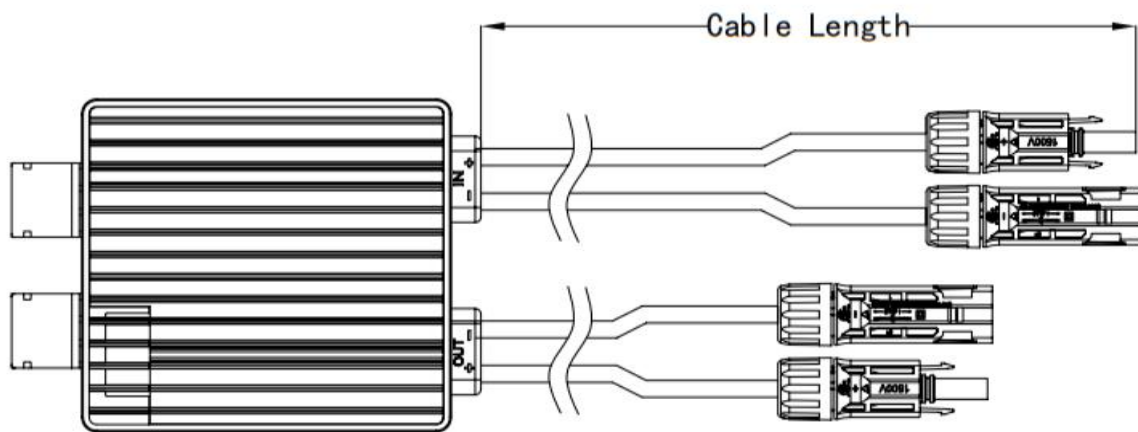
### Cable color

We have a choice of black and red, and we can use different colors for the positive and negative poles.



### Cable length

We can make any length according to customer's requirement.



### Connector type



## The process of mounting a component

Clamp into the photovoltaic module frame through the frame clip.



## Connection type

- 1) The input (IN) of the photovoltaic optimizer is connected to the photovoltaic module.(Figure1)
- 2) Photovoltaic optimizer output terminals (OUT) are connected to each other.(Figure2)

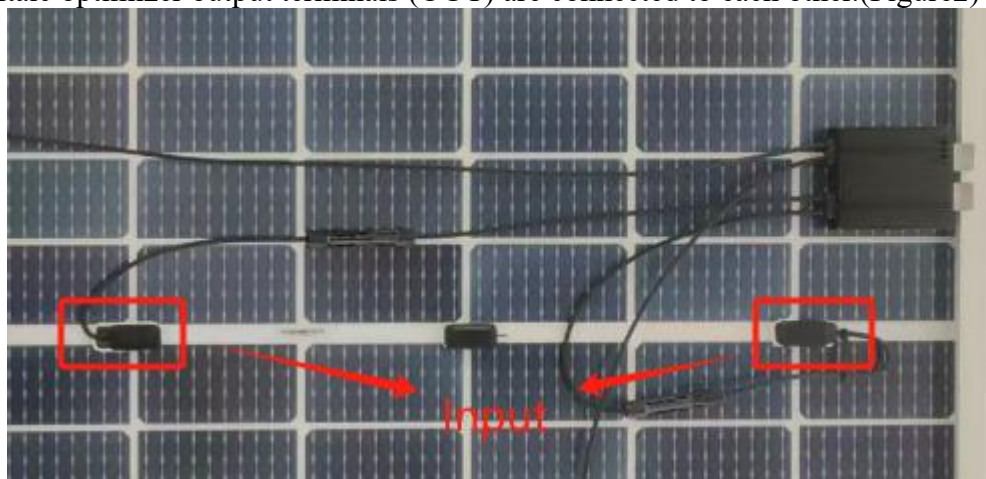


Figure1

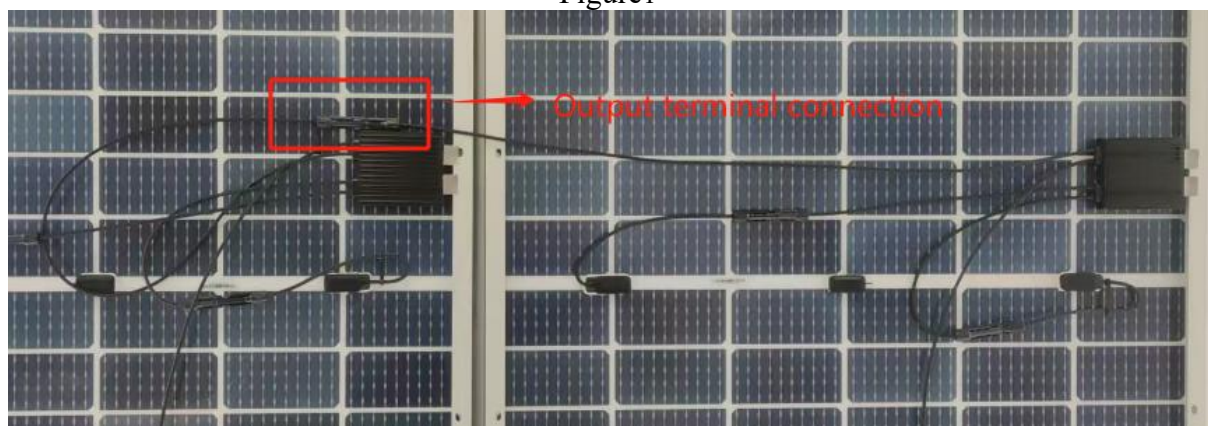
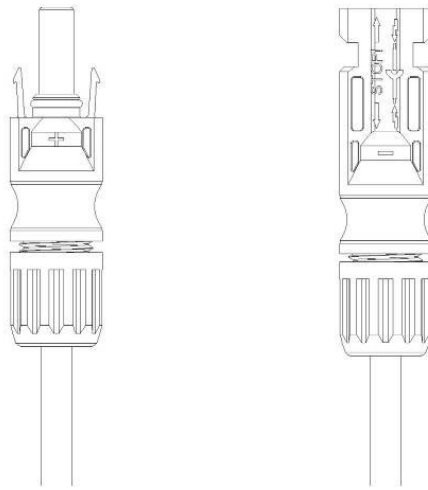


Figure2

## Polarity differentiation

Note: Connector positive and negative polarity distinction method, "+" is positive, "-" is negative.

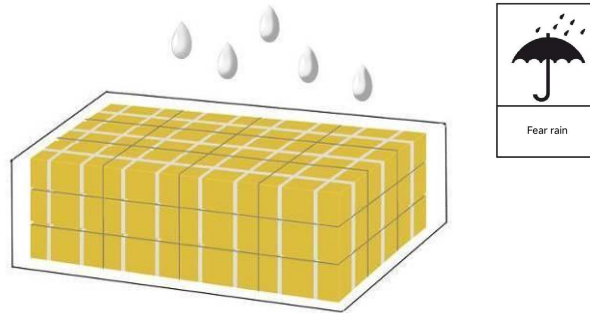




## Storage and transportation

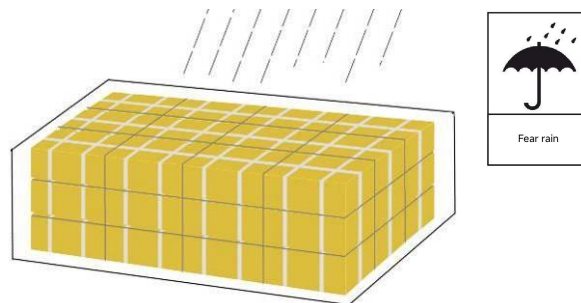
### Storage

Storage in dry environment.



### Transport

Dry environment transport, rain proof.



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