

Instruction of YMX600A series

Please read it carefully before using this product

Attentions

Make sure to comply with following procedures to avoid any potential harm both to person and product.

Mounting

- Please do as per this instruction to avoid any performance effect.

Warning

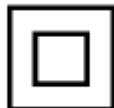
- Do not connect or disconnect under load.
- When the photovoltaic array is exposed to light, it supplies a DC voltage to the device.
- Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- 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, and
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
- This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
 - (1) this device may not cause interference, and
 - (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
 - (1) l'appareil ne doit pas produire de brouillage, et
 - (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAUTION: Risk of Electric Shock - When the photovoltaic array is exposed to light, it supplies a dc voltage to this equipment

CAUTION: Risk of Electric Shock - Do Not Remove Cover. No User Serviceable Parts Inside



Refer to the operating instructions



Equipment protected throughout by double insulation or reinforced insulation



Caution, risk of electric shock



Caution, risk of danger

Declaration

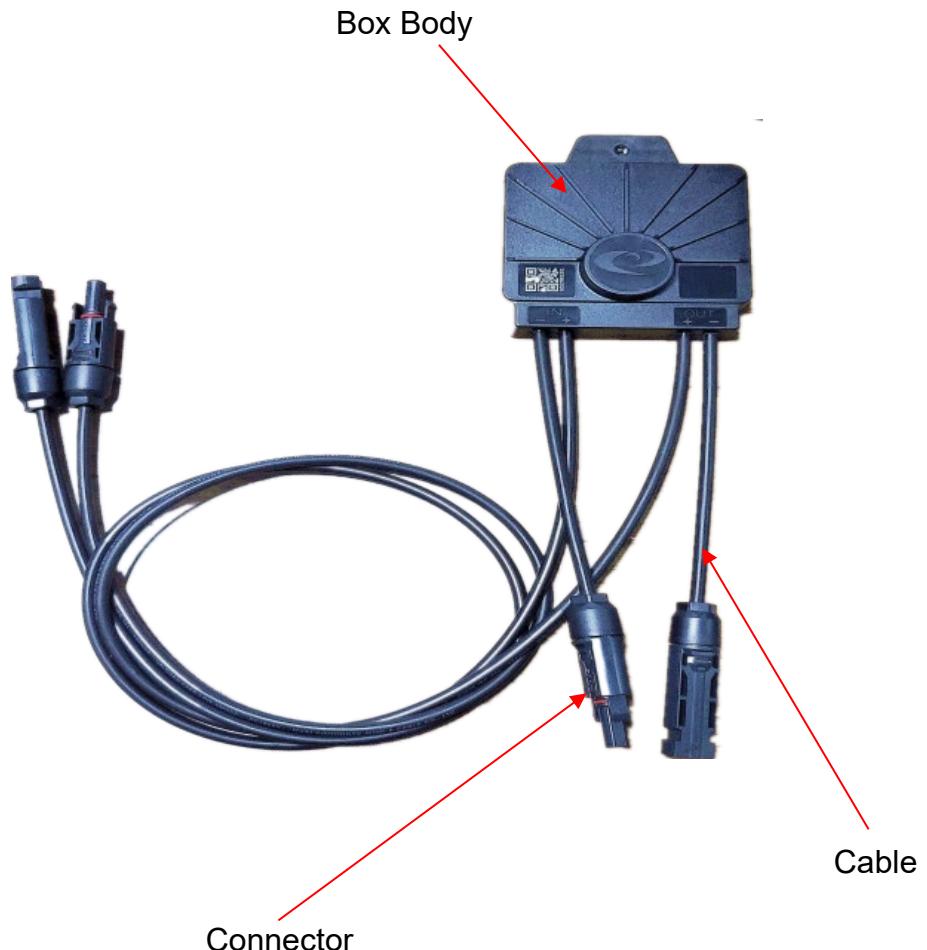
- It is forbidden to copy, transfer, distribute or store in any version of the contents in this document without the literary permission from Yimeixu.
- Any technical improvement or outward change will be subjected to the product and nameplate. All the alterations will be included in new edition of this file and we will not inform additionally.

Specifications

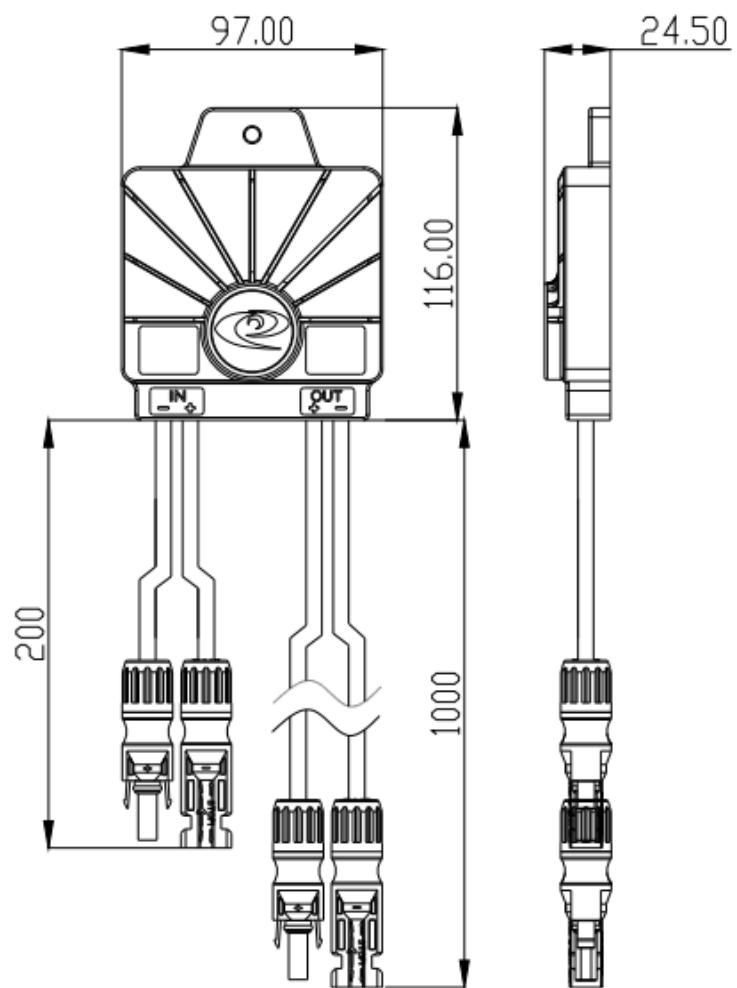
Rated voltage	1000V&1500V DC
Max input voltage	80V
Max input current	15A
Max output voltage	80V
Max output current	15A
Pollution Degree	3
Protective Class	Class II
Connecting capacity	4mm ²
Ingress protection	IP67
MAXIMUM altitude rating	<2000m
Overvoltage category	OV II
Environmental category	Outdoor and Indoor used
Wet locations	Yes
Operating temperature	- 40°C ~ +85°C
Communication	2.4G
Weight	450g

Basic Information

Part name



Outline dimensions



System Application



Spare part selection

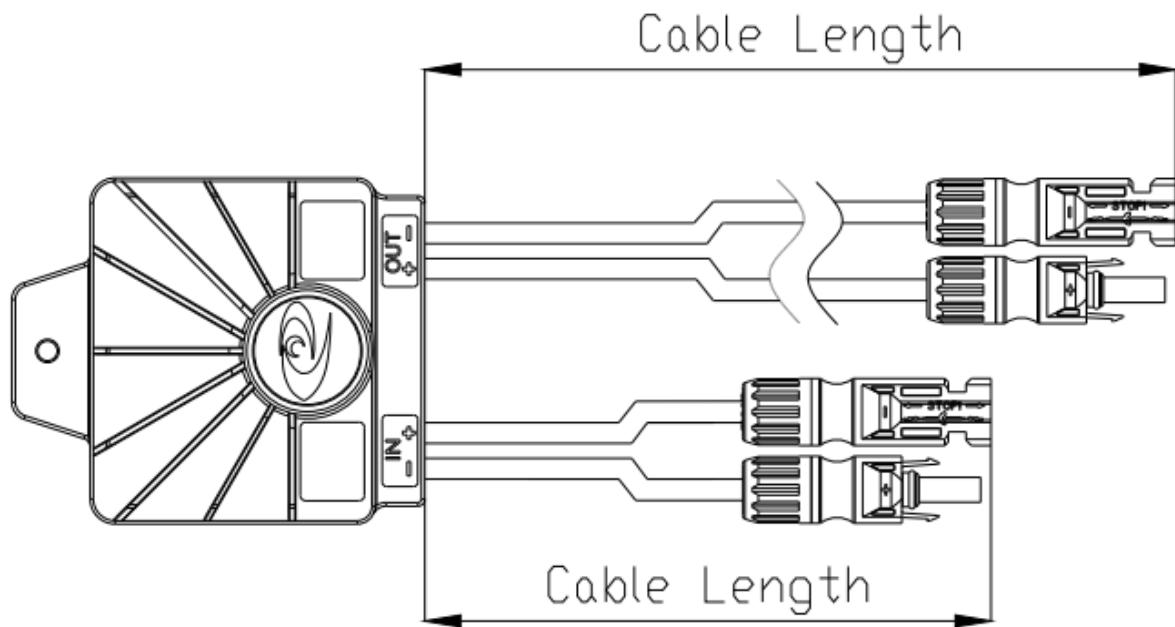
Cable color

We have black and red for your choice, we can use different color for male and female poles. Pictures should be taken from real product.



Cable length

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



Connector type



Mounting procedures

Photovoltaic optimizer mounting on the module

Installation steps are as follows.:

- 1) Assemble the screws, spring pads and gaskets. (Pic1)
- 2) Place the PV optimizer on the PV module border with the process hole.
- 3) Tighten the screws with a cross screwdriver. (Pic2)



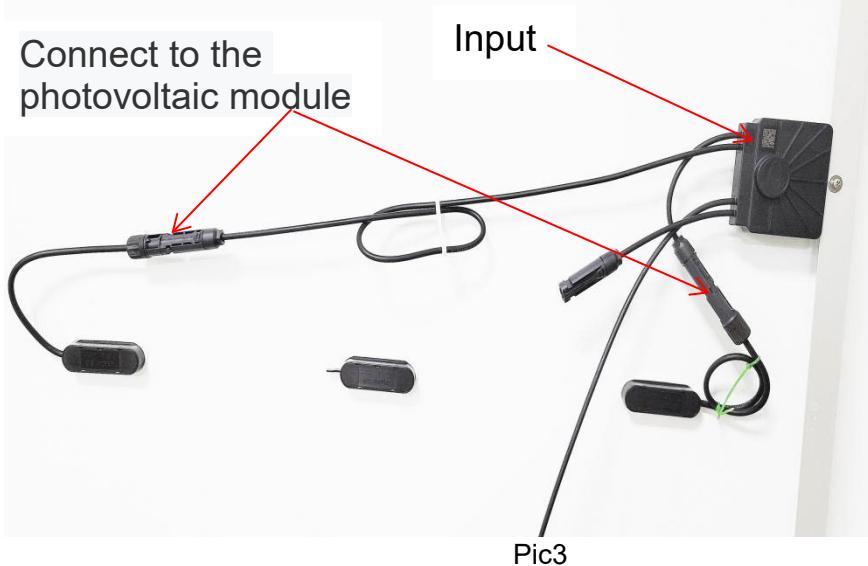
Pic1



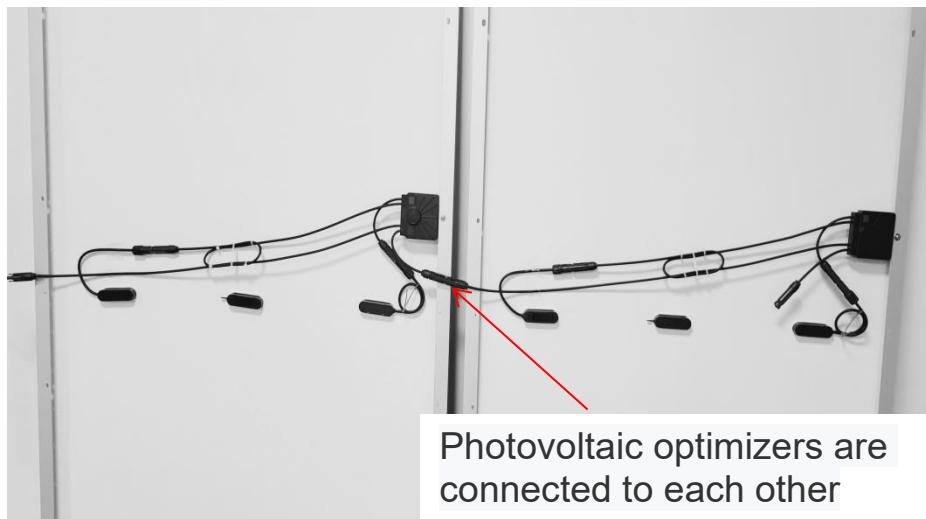
Pic2

Photovoltaic optimizer connection

- 1) The input end (IN) of the photovoltaic optimizer connects to the photovoltaic module. Pic3
- 2) The photovoltaic optimizer output terminals (OUT) are connected to each other. Pic4



Pic3

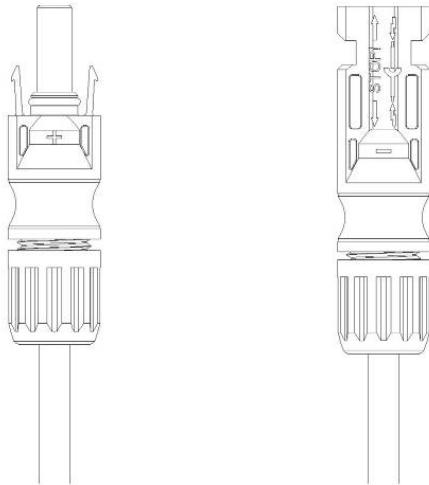


Photovoltaic optimizers are connected to each other

Pic4

Pole division

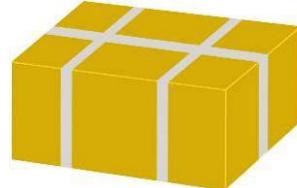
There are pole marks on connector (Pic5), please take care.



Pic5

Storage and shipment

Packing

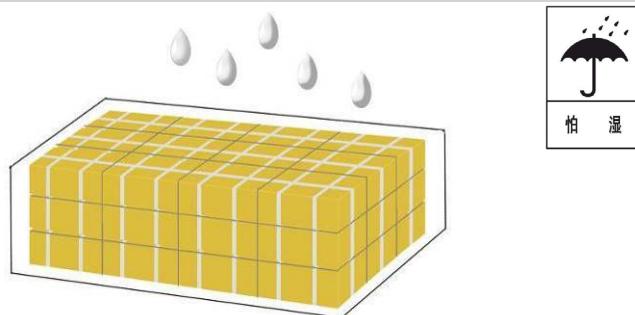


Pic6

Cable length (m)	Unit in each carton	Cartons in each pallet	Container			Carton size		
			20'	40'	40'HQ	Length (m)	Width (m)	Height (m)
0.9								

Storage

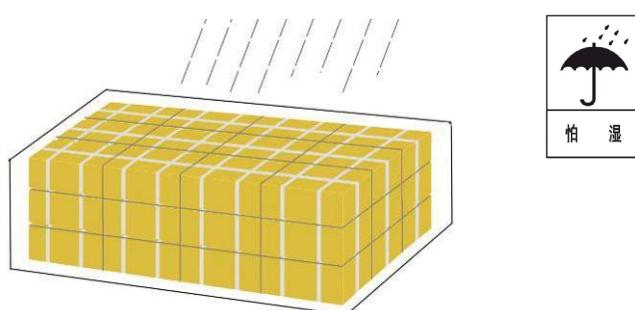
Dry condition is required



Pic7

Shipment

No rain



Pic8

Purchasing items

Please fill in following table for purchase

Part no.	Quantity	Connector type	Cable				Others/Remarks
			Cable type	Male color	Female color	Length	

NOTE

Manufacturer: Yimeixu Witchip Energy Hitech Co., Ltd.

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