



# MERC

(600W-PA0)

**EN** Quick Guide

**ZH** 快速指南



Scan for Support

Issue: 03  
Part Number: 31500JUQ

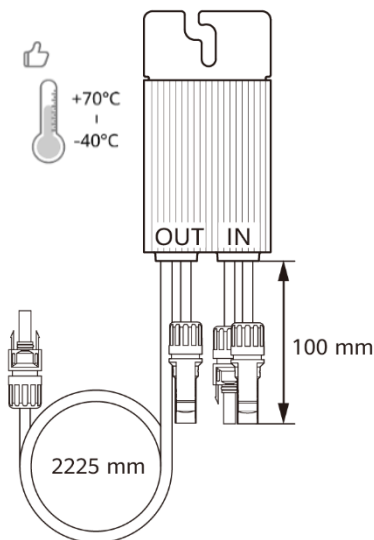
**EN** Before installing the equipment, read the user manual carefully to get familiar with product information and safety precautions. The product warranty does not cover equipment damage caused by failure to follow the storage, transportation, installation, and usage guidelines specified in this document and the user manual. You can scan the QR code on the front cover of this document to view the user manual and safety precautions. The information in this document is subject to change without notice.

**ZH** 安装设备前请详细阅读用户手册，了解产品信息及安全注意事项。未按照本文档与用户手册的内容存储、搬运、安装和使用设备而导致设备损坏，不在设备质保范围内。您可以扫描本文档封面处二维码，查阅用户手册和安全注意事项等信息。由于产品版本升级或其他原因，本文档内容会不定期更新。

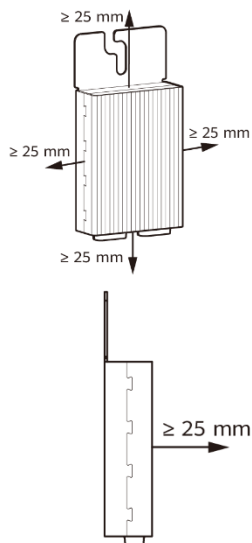
# 1

## EN Installation Requirements

## ZH 安装要求



**EN** Ensure that each PV module in the PV string is equipped with an MERC-600W-PA0 optimizer.



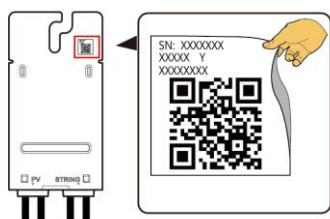
**ZH** 请保证组串内的每个光伏组件都配有MERC-600W-PA0优化器。

# 2

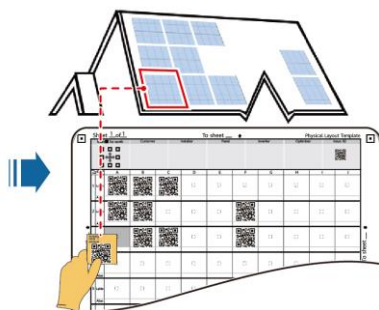
## EN Installing the Device

## ZH 安装设备

1



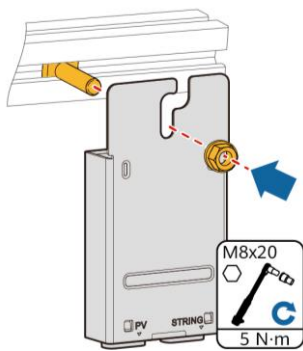
**EN** Remove the label and attach it to the physical layout template.



**ZH** 撕下标签，粘贴至物理布局模板。

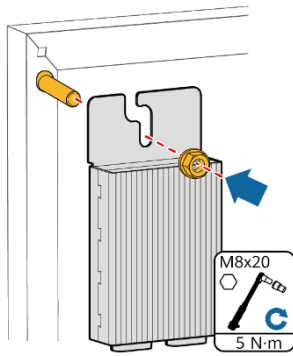
**EN** Installation using a T-shaped bolt

**ZH** 使用T型螺栓安装



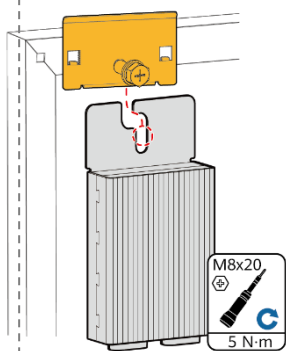
**EN** Installation using a bolt assembly

**ZH** 使用组合螺栓安装



**EN** Installation using a mounting bracket

**ZH** 使用安装件安装



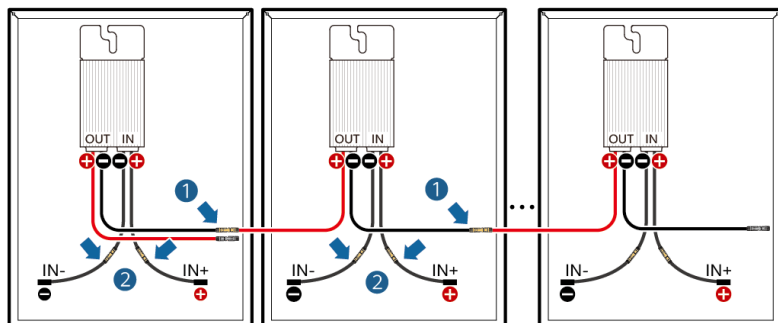
# 3

**EN** Connecting Cables

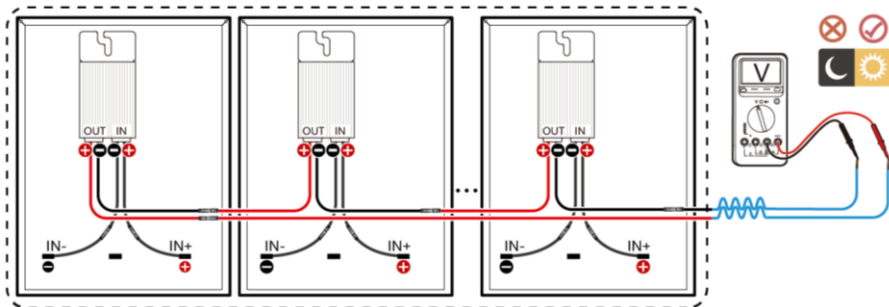
**ZH** 连接线缆

**EN** Connect optimizer outputs to form a PV string, and connect optimizer inputs to PV modules.

**ZH** 连接优化器输出形成组串，连接优化器输入至组件。



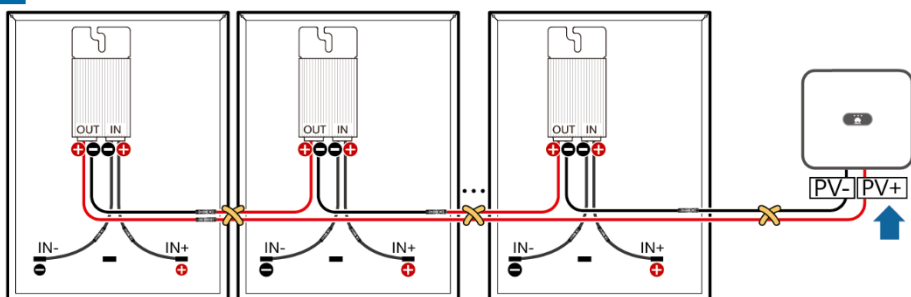
2



**EN** Use a multimeter to measure PV string voltages. The voltage of each PV module shall be 1 V (tolerance:  $\pm 5\%$ ), and the voltage value (tolerance:  $\pm 5\%$ ) of the PV string shall be equal to the number of optimizers in the string. If the probes are reversely connected, the voltages measured are negative values.

**ZH** 使用万用表测量组串电压，单个光伏组件的电压数值应为1 V（ $\pm 5\%$ ），光伏组串的电压数值（ $\pm 5\%$ ）应与组串中优化器个数相同。如果表笔反接，电压为负。

3



**EN** Connect the PV string to the inverter. The distance between the positive and negative cables of optimizers must be minimized.

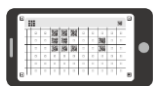
**ZH** 连接组串至逆变器，要求优化器正负线缆靠近伴随走线。

# 4

**EN** Physical Layout

**ZH** 物理位置布局

1



**EN** Take a photo of the physical layout template.

**ZH** 拍摄物理布局模板。

2



**EN** Create a physical layout.

**ZH** 创建物理视图。



# 5

## EN Checking the Optimizer Status

## ZH 查看优化器状态

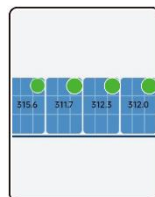
1



**EN** Log in to the FusionSolar app as an installer, choose **Me > Commission Device**, and connect to the WLAN hotspot of the inverter.

**ZH** 以安装商用户登录智能光伏APP，选择“我的 > 设备调测”，连接逆变器的WLAN热点。

2



**EN** Log in to the inverter commissioning screen as an installer, choose **Device Monitoring**, select the PV string, and check the optimizer status.

**ZH** 以安装商用户登录逆变器设备调测界面，选择“设备监控”，选择组串，查看优化器状态。



**EN** Normal

**ZH** 正常



**EN** Offline

**ZH** 离线



**EN** Disconnected

**ZH** 断线



**EN** Faulty

**ZH** 故障

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