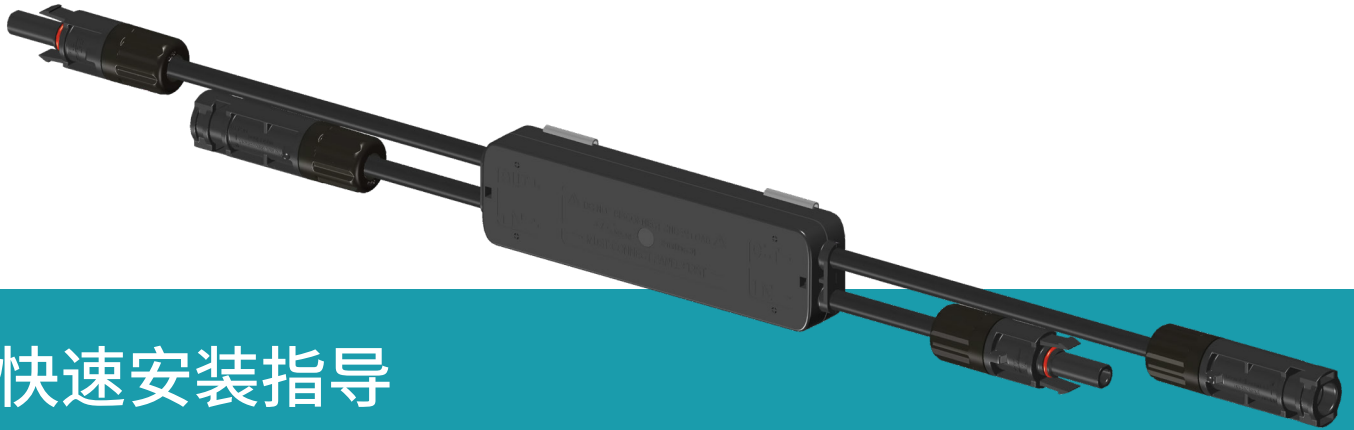


Smarttrack04 组件级快速关断

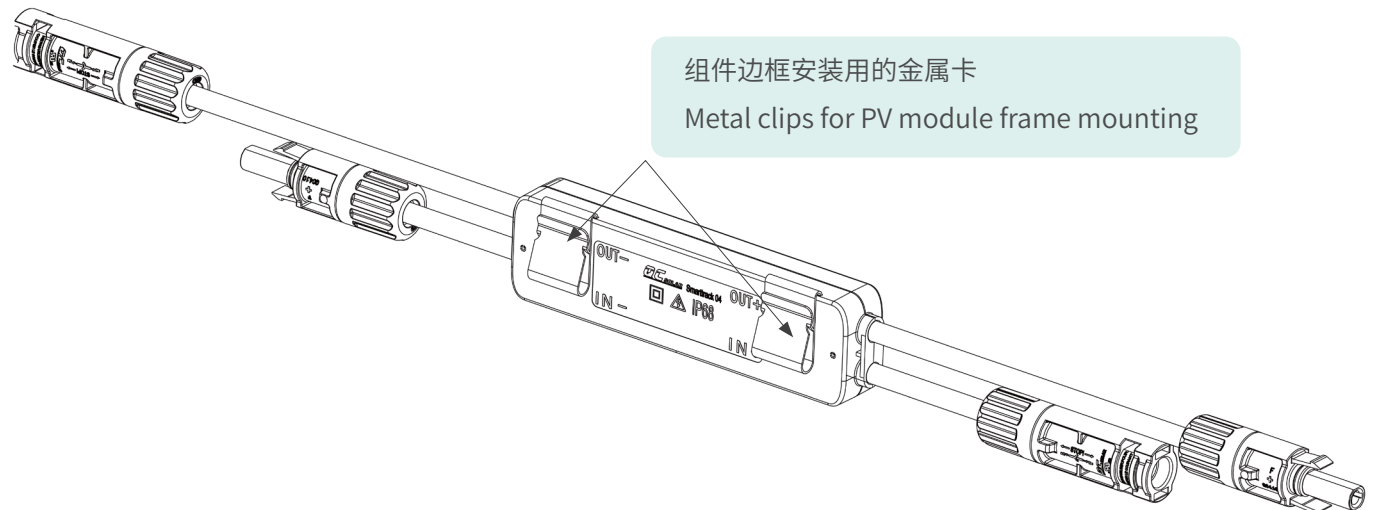
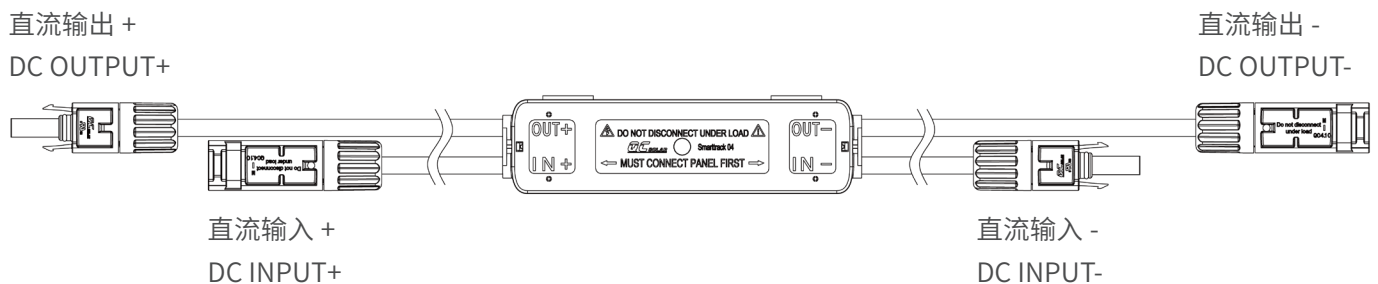
Smarttrack04 PV Module-level Rapid Shutdown



快速安装指导 Quick Installation Guide

智能单通道光伏组件级快速关断器 Smarttrack04 系列

Smart single-channel PV module-level Rapid shutdown



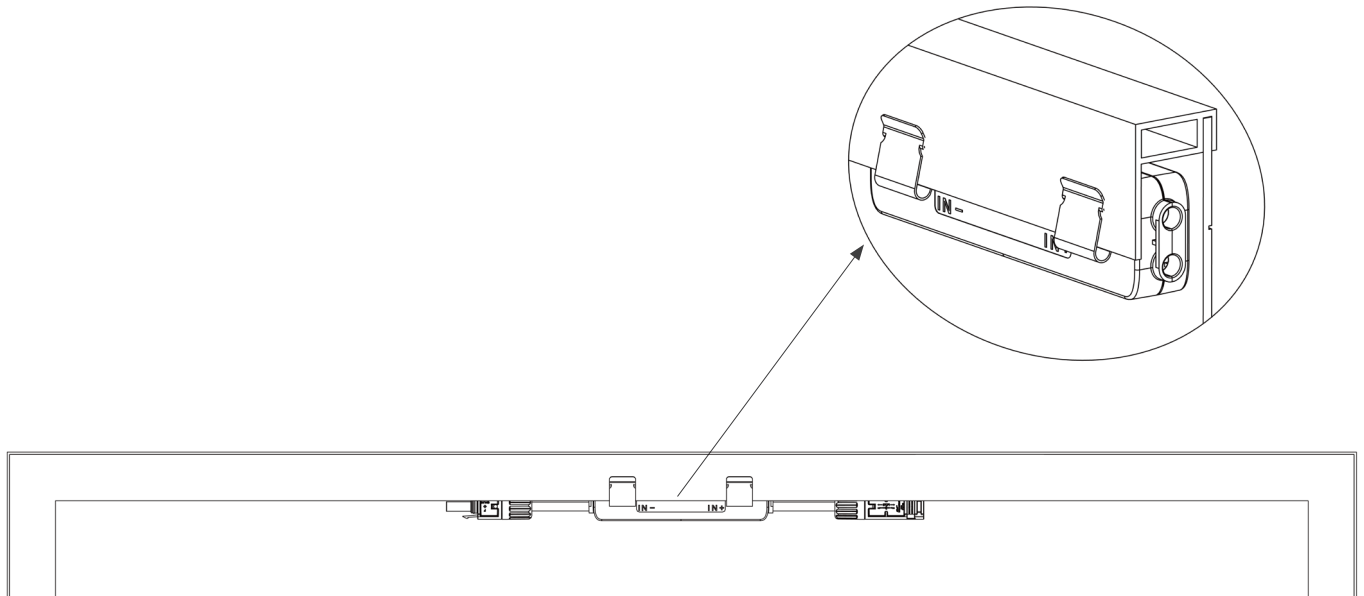
01: 安装详情 Installation Detail

步骤一：将 Smarttrack04 安装在组件边框。

Step 1: Install Smarttrack04 in the PV module frame.

* 请注意：勿将 Smarttrack04 (包括直流连接器) 放置在暴晒、雨雪、泥土或组件间隙处。Smarttrack04 与组件的间距不小于 12.7mm，以便有空气流动。

* Please note: Do not place Smarttrack04 (including DC connectors) in the sun, rain, snow, mud or in the gap between PV modules. More than 12.7mm between the top of Smarttrack04 and the PV modules to allow for air flow.



步骤二：将 Smarttrack04 的输入接头连接到接线盒上，设备输出的直流电压在 0.6 至 1.35v 的范围内。

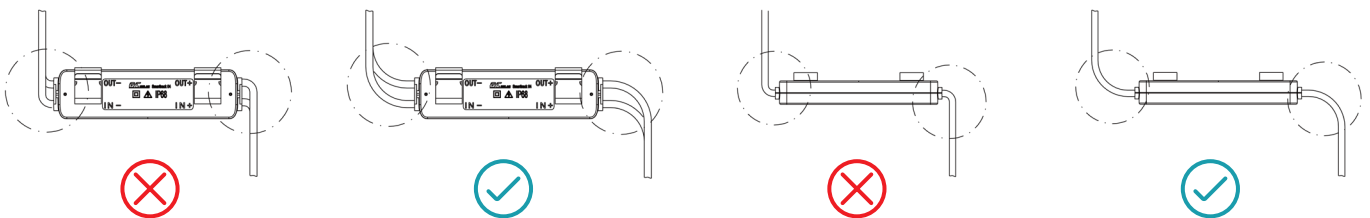
Step 2: Connect the input connectors of the Smarttrack04 to the junction box, making sure that the device's output DC voltage is within the range of 0.6 to 1.35v.

注意：请不要将 Smarttrack04 的输出端口短接，否则会损坏 Smarttrack04。

注意：安装 Smarttrack04 时，线缆弯曲半径需要大于 50 毫米。

Note: Do not short-circuit the output port of the Smarttrack04, as this may damage the Smarttrack04.

Note: When installing the Smarttrack04, the cable bend radius needs to be greater than 50 mm.



步骤三：将 Smarttrack04 的输出端口串联，此时可以测得该直流串的输出电压在（0.6~1.35v）

*Smarttrack04 的安装数量。（该电压范围可能受现场环境影响改变）

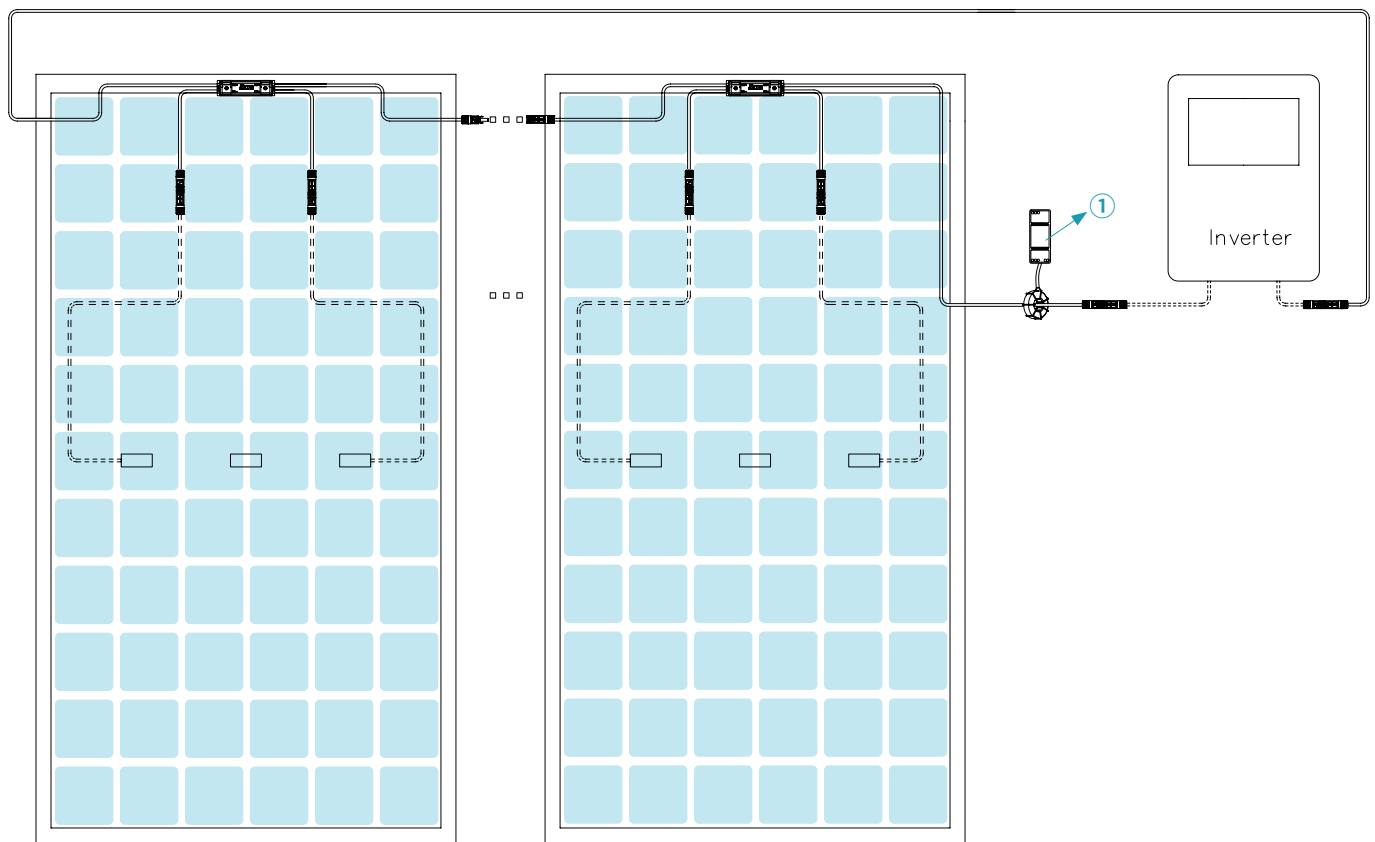
Step 3: Connect the output ports of the Smarttrack04 in series. At this point ,the output voltage of the DC string can be measured within the range of (0.6~1.35v) * the number of installed Smarttrack04. (This voltage range may be affected by the on-site environment).

注意：在完成所有组串连接和测试之前，请勿将主线连接到逆变器。

注意：系统中请使用与关断器相同的直流端子，由于使用不同型号的端子而造成的关断器损坏将不在质保范围之内。

Note: Do not connect the mains cable to the inverter until all string connections have been made and tested.

Note: Please use the same DC terminal as the shutter in your system, any damage to the shutter caused by using a different type of terminal will not be covered by the warranty.



① 如果逆变器包含一个集成的 SunSpec 认证的快速关断发射器，请移除接线图中①的外部变送器 -PLC。

① If the inverter contains an integrated SunSpec-certified Rapid Shutdown Transmitter, remove the external transmitter-PLC in the wiring diagram.

02: 安装步骤 Installation Steps

安装 Smarttrack04 前，请确保光伏组件与逆变器已断开连接，需确保光伏组件之间处于断开状态。

Before installing Smarttrack04, please make sure that the PV module is disconnected from the inverter, you need to make sure that the PV modules are disconnected from each other.

A: 将 Smarttrack04 安装在组件边框

B: 连接 Smarttrack04 输入负极至组件输出负极连接器

C: 连接 Smarttrack04 输入正极至组件输出正极连接器

D: 连接 Smarttrack04 输出负极连接到上一片组件 Smarttrack04 输出正极

E: 连接 Smarttrack04 输出正极连接到下一片组件 Smarttrack04 输出负极

A: Mounting Smarttrack04 on PV module frame

B: Connect the Smarttrack04 Input Negative to PV Module Output Negative Connector

C: Connect the Smarttrack04 Input Positive to PV Module Output Positive Connector

D: Connect the Smarttrack04 negative output to the positive Smarttrack04 output of the previous PV module

E: Connect the Smarttrack04 positive output to the negative Smarttrack04 output of the next PV module

03: 拆卸步骤 Disassembly Steps

拆卸 Smarttrack04 前首先断开逆变器与电网的电气连接，然后断开逆变器直流侧电气连接，需确保关断器处于非工作状态。

Before disassembling the Smarttrack04, first disconnect the inverter from the grid, then disconnect the DC side of the inverter, making sure that the Smarttrack04 are not in operation.

断开相联的连接器，顺序如下：

Disconnect the associated connector, sequence as: E → D → C → B → A