

连接器安装说明书 PV-JK03M2-BS2/BP2 Branch Connector Series

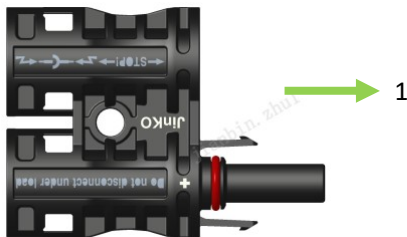
Installation Manual for PV-JK03M2-BS2/BP2 Branch Connector Series



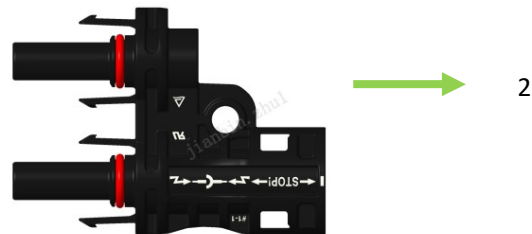
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1.产品简介 Products Overview



1 分支插头 (Branch Plug)



2 分支插座 (Branch Socket)

2.工具及配件简介 Tools and Parts Overview

Item	Tool Type	Tool Name	Pic.
1	JKT-04	通用工具 Universal Tool	
2	4JB03M31005 4JB03M31007	防尘塞 Dust Plug	

3.技术参数 Technical Data

产品型号 Type Name or Model No.	PV-JK03M2-BP2; PV-JK03M2-BS2
额定电压 Rated Voltage (V DC)	1500 VDC (IEC)
额定绝缘电压 Rated Insulation Voltage	8000 V
额定脉冲电压 Rated Impulse Voltage	16kV
额定电流 Rated Current (A DC)	60 A
应用等级 Application Class	Class A
防护等级 / 污染等级 Protection Class / Pollution Degree	Class II / 2
工作温度范围 Ambient Temperature	- 40°C to + 85°C

温度上限 Upper Limit Temperature	115°C (IEC)
过电压等级 Over Voltage Category	CAT III
防火等级 Flammability Class	UL94 V-0
防护等级, 插合状态 / 未插合状态 Degree of Protection, mated / unmated	IP65/ IP68 (1m, 2h) in mated condition IP2X in unmated condition
接触电阻 Contact Resistance	≤0.5 m Ω
金属材料 Contact Material	铜, 镀锡 Copper, tin plated
绝缘材料 Insulation Material	PA
是否封闭 Existence of the Enclosure	封闭式连接器 (不可徒手打开) Enclosed connector
认证标准 Certification Standard	IEC62852

4.工具使用说明 Tools Instruction

◇ 通用工具-JKT-04;

Universal Tool -JKT-04:

作用：用于拆卸连接器。

Function: For removing connectors.



作用：打开锁紧装置

Function: To open the locking device

Universa Tool -JKT-04

5. 安装说明 Installation Instruction

5.1 连接器安装 Connector Installation

- ◇ 分支连接器与公母电缆连接器插合：使用公母电缆连接器与保险丝连接器进行对插，直至其啮合。拉拔对插的连接器，检查保险丝连接器与公母电缆连接器是否完全连接好（如图 1）；禁止安装未完全耦合的连接器，避免锁扣失效，安装时须检查是否对插到位（如图 2）。

Insert the branch connector with the male and female cable connector until they engage. Pull the plug connector and check whether the fuse connector and the male and female cable connector are completely connected (Figure 1). Do not install connectors that are not fully coupled to avoid lock failure. Check whether the connectors are properly inserted (Fig. 2).

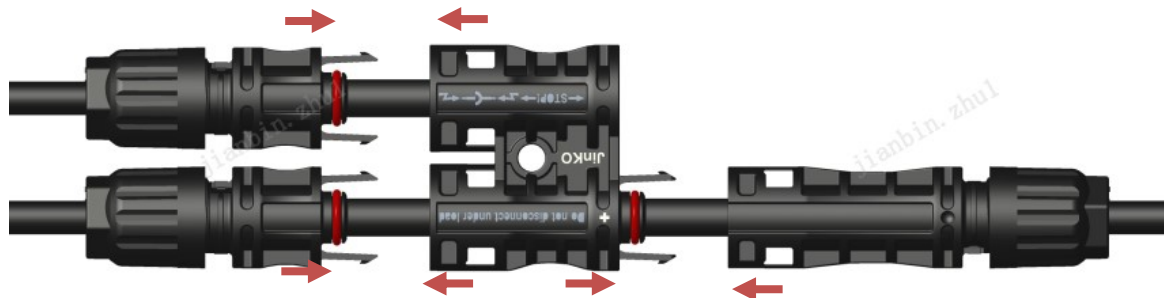


Figure 1

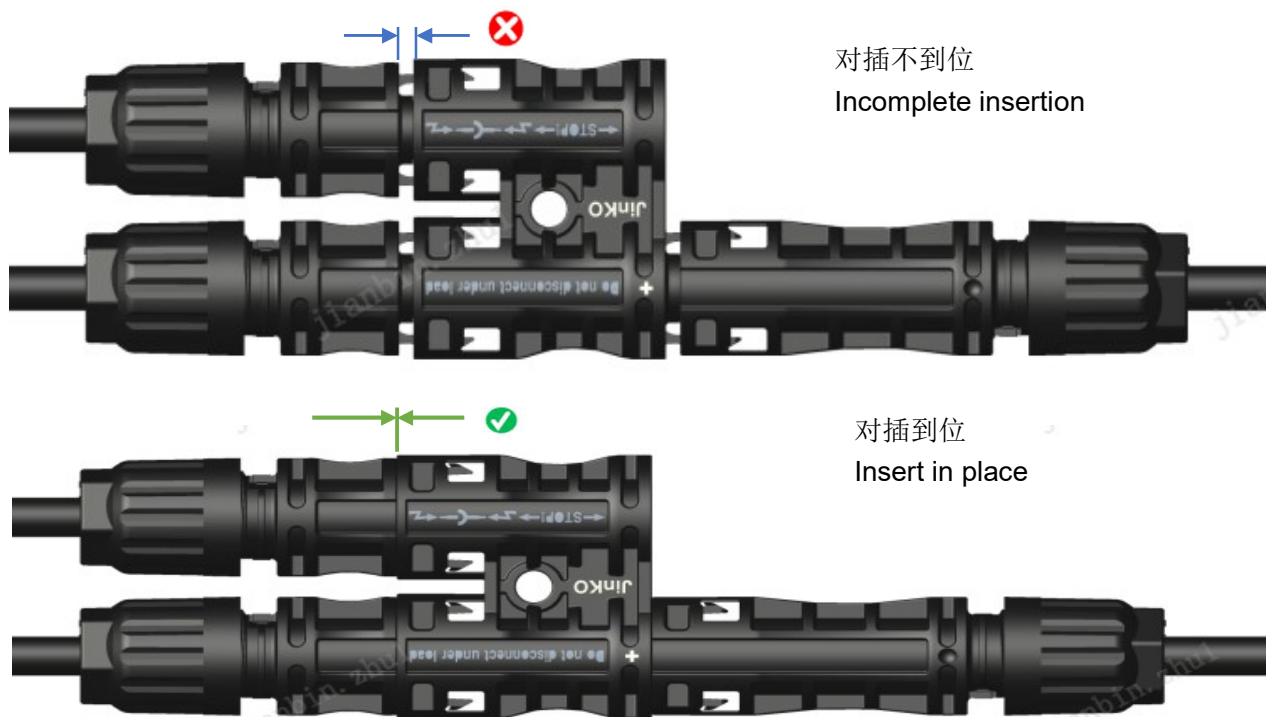


Figure 2

5.2 连接器拆卸 Disconnecting Cable Connector

- ✧ 使用通用工具带有插销的一端插入连接器的卡扣位置。
Insert the forks into the buckle of the cable connector by the universal tool.
- ✧ 用左右手分别拉拔连接器，即可分开分支连接器与公母电缆连接器（如图 3）。
Separating the branch connector from the male and female cable connector by pulling the connector with both left and right hands (Fig. 3).

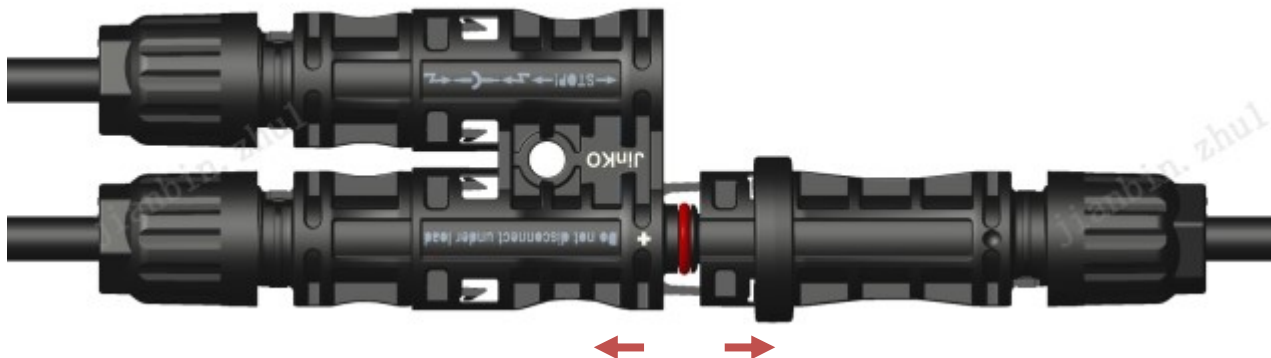


Figure 3

5.3 连接器并联示例 Connector Parallel Example

✧ 安装并联组件时，须确保组串互联正确（如图 4）。

When installing parallel components, it is necessary to ensure correct string interconnection (Fig. 4).

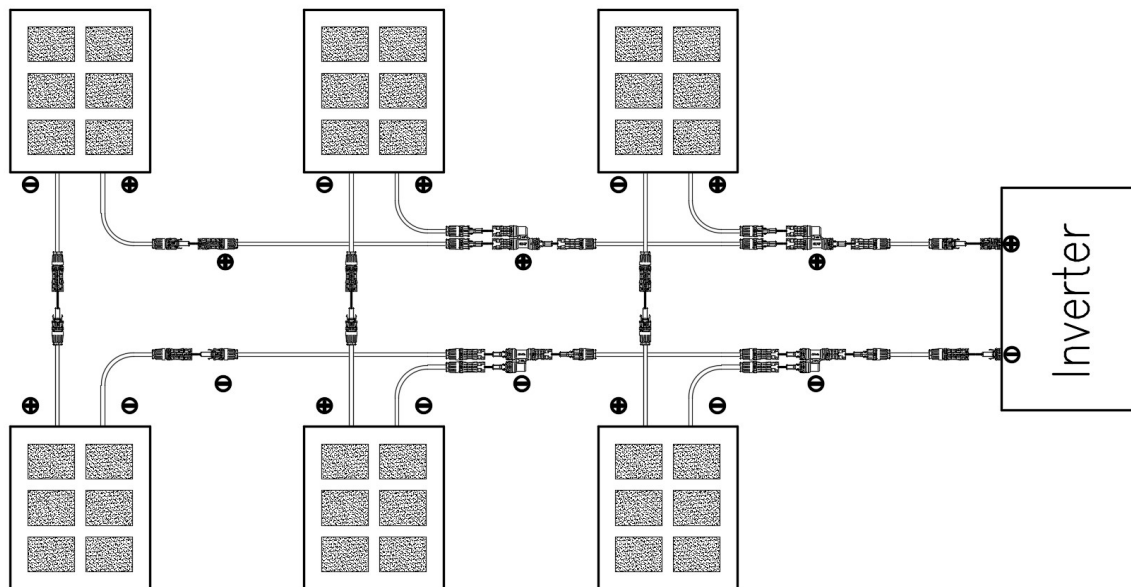


Figure 4

5.4 安装提示 Installation Warning

- ✧ 在自行安装时，如果所用的部件和工具不是 JinKO 官方指定的，或者没有按照官方要求进行准备和安装操作，我们将不保证产品的安全性和技术参数的一致性。

If parts and tools used are not specified by JinKO or not prepared and assembled as JinKO described during installation, the uniformity of safety and technical data on products are not guaranteed.

- ✧ 在安装过程中，应避免接触机械油、油脂、溶剂等可能会造成连接器功能失效的物质，同时需注意施工人员的手套不能带有以上物质。被污染的连接器的不能插合使用。

During assembling, the connector must not be touched with any machine oil, grease, solvent, with which connector would be out of action. Notice that the gloves the operators used must not contain the substance above. The male cable connectors and the female connectors must not plugged together when soiled.

- ✧ 该说明书中的所有操作不允许在带电或者负载下进行。

The work described here must not be carried out on live or load-carrying part.

- ✧ 在负载的情况下，连接器不允许断开。在带电压的情况下允许插拔。

Connectors must not be disconnected under load. Plugging and unplugging when voltage is permitted.

- ✧ 长期不对插连接或断开连接时必须盖上防尘塞（4JB03M31005&4JB03M31007）以防止灰尘和湿气。

The dust plug（4JB03M31005/4JB03M31007）should be placed to avoid exposing the dust and water when disconnected or disconnected after connected.

- ✧ 插合状态后的连接器符合 IP68 水密性的标准。但是它们不适合长期在水下使用。请勿将连接器直接放置在屋顶表面。

The plug connectors are watertight in accordance with IP68 protection class. However, they are not suitable for continuous operation under water. Do not place the connectors directly on the roof.

- ✧ 连接器电缆不能承受持续的机械拉伸。电缆应该由扎带固定。

The plug connection must not be subjected to continuous mechanical tension. The cable should be fixed with cable binders.

- ✧ 基于安全方面的考虑，禁止将 JinKO 的连接器（或零件）与非 JinKO 原产的连接器（或零件）连接。如果这些连接器（未经 JinKO 认证）与 JinKO 连接器（或零件）连接并产生损害，我们对此不承担任何责任。

For safety reasons, it is prohibited to connect JinKO connectors (or parts) with those not originally produced by JinKO. We assume no liability for any damage that occurs when these connectors (not certified by JinKO) are connected to JinKO connectors (or parts).

备注：连接器安装过程中操作困难或无法操作，请参照如下联络方式询问、查询：

Notes: If you have any questions during installation, please feel free to contact us as follows:

江西晶科光伏材料有限公司

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6. 变更清单 Change List

版本号 Ver.	修订内容 Rev. content	修订日期 Rev. date
A0	初版发行 First edition	2023.09.27
A1	增加变更清单 Add change list	2024.11.13
A2	补充安装提示内容 Add installation instructions.	2025.09.01