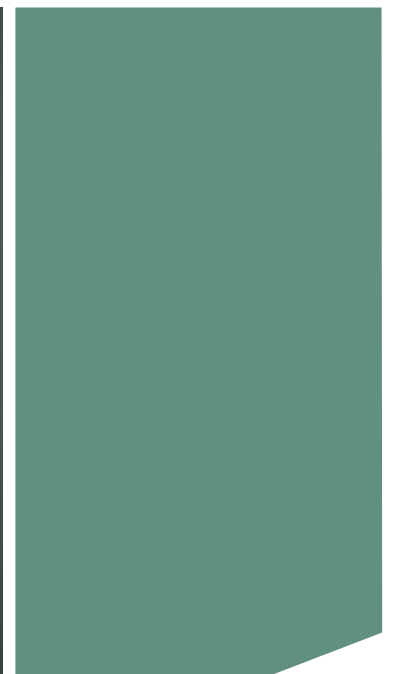




# Photovoltaic System Solution 光伏系统解决方案

 **COOPER** Interconnect



# Photovoltaic System Solution 光伏系统解决方案

Cooper Interconnect offers a full line of junction boxes and connectors for use in photovoltaic system.

## Application | 产品应用

### Junction Box 接线盒

9~14

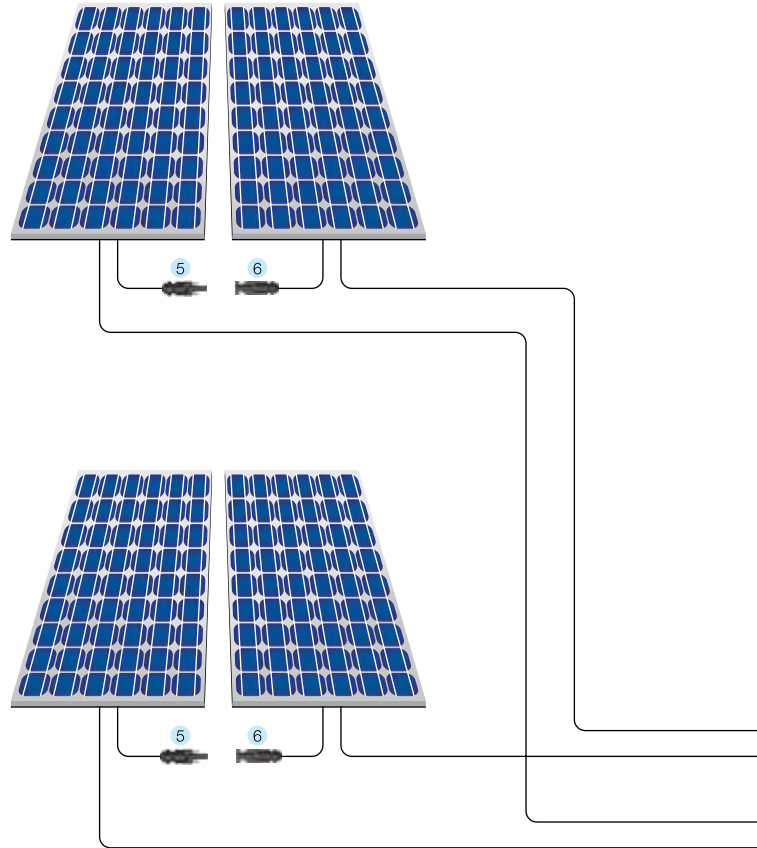


### Parts of Box 接线盒部件

3



4



Junction Box	接线盒
2 Cord Box	2路接线盒
4 Cord Box	4路接线盒
6 Cord Box	6路接线盒

Parts of Box	接线盒部件
Male Connector	公连接头
Female Connector	母连接头

\* 各产品详细信息参见4~6页，产品序号与详细信息部分对应

\* Please refer detailed product information on page 4~6, with corresponding product numbers.

## Advantages | 产品优势

- Low conduction loss  
传导损耗低
- Temperature resistance -40 °C~+105 °C (test temperature max.)  
耐温范围-40 °C~+105 °C (测试极限温度)
- Waterproof and dust tight (connector IP67, junction box IP65), resistance to UV  
防水、防尘(连接头IP67, 接线盒IP65), 抗紫外线老化
- Easy assembly (lock type)  
安装方便(卡锁连接)
- Performance over TUV&UL Standard  
产品性能高于TUV和UL标准
- Premium product specification & quality  
优异的产品类别和质量

## Material | 产品材质

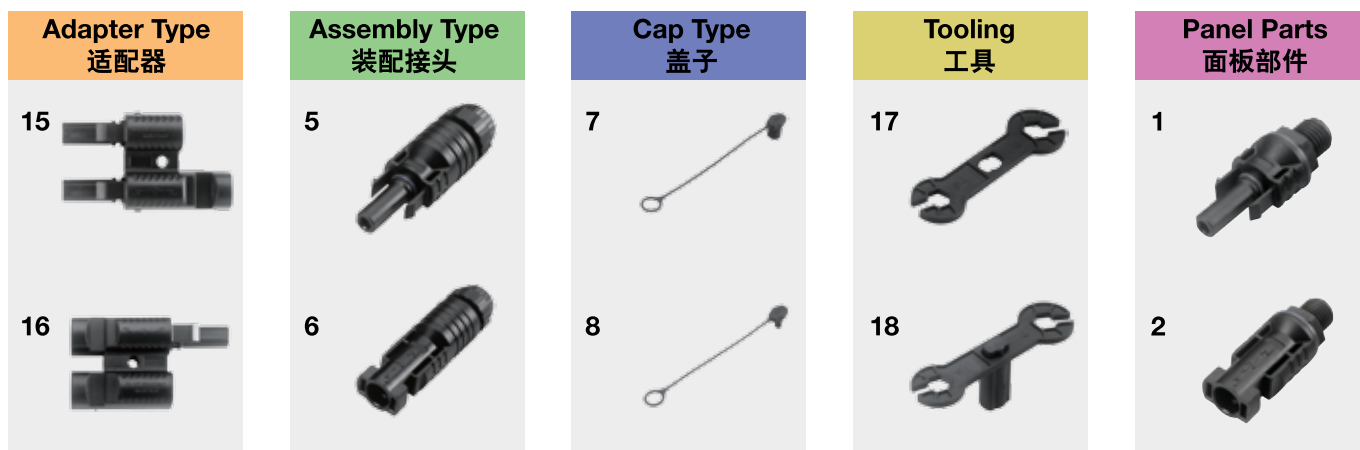
Junction Box | 接线盒: PPO (聚苯醚, 高性能热塑性工程塑料)

Connector | 连接头: PPO (聚苯醚, 高性能热塑性工程塑料)

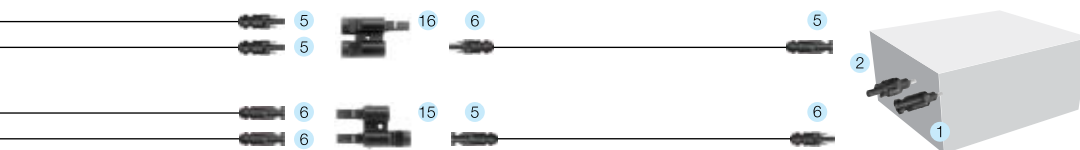
Cable | 电缆: XLPO (交联聚烯烃)

# Photovoltaic System Solution 光伏系统解决方案

库柏连接器为光伏系统提供全套的接线箱和连接器解决方案。



Adapter Type 适配器	Assembly Type 装配接头	Cap 盖子	Tooling 工具	Panel 面板部件
<b>1 Female to 2 Male</b> 1母连接头-2公连接头 <b>1 Male to 2 Female</b> 1公连接头-2母连接头	<b>Male Connector + Cable</b> 公连接头+电缆 <b>Female Connector + Cable</b> 母连接头+电缆	<b>Male Connector Cap</b> 公连接头盖子 <b>Female Connector Cap</b> 母连接头盖子	<b>15(HEX) / 17(HEX) Nut</b> 15号/17号螺母扳手	<b>Male Connector</b> 公连接头 <b>Female Connector</b> 母连接头



## Specifications | 产品参数

Operating Temperature   运行温度范围:	-40 °C~+85 °C
Max. Temperature   最高耐温:	105 °C
Max Resistant to Current   最大耐电流:	10A (15A~30A optional   可选)
Max Resistant to Voltage   最大耐电压:	1000V DC
Test Voltage   测试电压:	6KV/1min (connector   连接头) 8KV/1min (junction box   接线盒)
Box Dimensions   接线盒尺寸:	94.4x88.0x25.7 mm
Cable Length   电缆长度:	0.5m ~ 5m
Contact Resistance   接触电阻:	≤5mΩ
Protection Degree   外壳防护等级:	IP67 (connector   连接头) IP65 (junction box   接线盒)
Fire Rating   耐火等级:	UL-94V0
Resistant to UV   紫外线防护:	Yes   是
Certification   认证:	TUV DIN V VDE V 0126

# Detailed Product Information

## 详细产品信息

### Order Info. | 订货信息

No.   序号	Product Number   产品型号	Product Spec.   产品说明
1	CCHSPC-01RMFS-LC7001	Lock Panel Male Conn.   面板锁式公连接头
2	CCHSPC-01RFMS-LC7001	Lock Panel Female Conn.   面板锁式母连接头
3	CCHSPC-01DMFP-LC7001	Lock Panel Male Conn. For Box   接线盒面板锁式公连接头
4	CCHSPC-01DFMP-LC7001	Lock Panel Female Conn. For Box   接线盒面板锁式母连接头
5	CCHSPC-01BMFA-LL7001	Lock Ass'y Male Conn.   锁式公装配接头
	CCHSPC-01BMFA-LL7XXX	Lock Ass'y Male Conn.+ Cable   带电缆锁式公装配接头
6	CCHSPC-01BFMA-LL7001	Lock Ass'y Female Conn.   锁式母装配接头
	CCHSPC-01BFMA-LL7XXX	Lock Ass'y Female Conn.+ Cable   带电缆锁式母装配接头

### Order No. Interpretation | 订货号解释

## CCHSPC-01RFMS-LC7001



1

**Specification | 产品规格:** \_\_\_\_\_  
SPC-Solar Power 30A | 30A太阳能电源



2

**Number of Contacts | 触点数目:** \_\_\_\_\_  
01-1 Pin | 1个触点

**Style | 样式:** \_\_\_\_\_  
B - For Cable Without S/R | 无网尾电缆  
D - For Box Panel | 后锁可替换式  
R - For Panel Rear Mounting | 后锁嵌入面板式



3

**Connector Style | 连接头样式:** \_\_\_\_\_  
F-Female Connector | 母连接头  
M-Male Connector | 公连接头

**Contact Style | 端子样式:** \_\_\_\_\_  
F-Female Contact | 母端子  
M-Male Contact | 公端子



4

**Assemble Style | 加工方式:** \_\_\_\_\_  
A-Assembly Type | 组装式  
S-Solder Type | 焊接式  
P-PCB Type | 板插件式

**Mating Style | 接合方式:** \_\_\_\_\_  
L-Lock | 锁式



5

**Back Shell | 后套形式:** \_\_\_\_\_  
C-Circular Straight | 180度圆座安装  
L-Straight Mounting | 180度直接安装

**Protection Degree | 防护等级:** \_\_\_\_\_  
7-IP67



6

**Appendix | 流水号:** \_\_\_\_\_  
001, 002... -Without Cable | 无电缆  
A01~A99-For Cable1M~99M | 有电缆1~99米

# Detailed Product Information

## 详细产品信息

### Order Info. | 订货信息

No.   序号	Product Number   产品型号	Product Spec.   产品说明
7	CCHCAP-DSOMMLC1	Solar Lock Male Conn. Cap   太阳能锁式公连接头盖子
8	CCHCAP-DSOMFLC1	Solar Lock Female Conn. Cap   太阳能锁式母连接头盖子
9	CCHSBOX-SJC20-001	2 Cord Box with Connector   2路带连接头接线盒
10	CCHSBOX-SJC40-001	4 Cord Box with Connector   4路带连接头接线盒
11	CCHSBOX-SJC60-001	6 Cord Box with Connector   6路带连接头接线盒
12	CCHSBOX-SJC22-XXX	2 Cord Box with Cable Glands   2路带戈兰接线盒
13	CCHSBOX-SJC42-XXX	4 Cord Box with Cable Glands   4路带戈兰接线盒
14	CCHSBOX-SJC62-XXX	6 Cord Box with Cable Glands   6路带戈兰接线盒

### Order No. Interpretation | 订货号解释

## CCHCAP-DSOMMLC1

**Specification | 产品规格:**

CAP-Waterproof cap | 防水盖子

**Protection Type | 防护类型:**

D-Dust tight | 防尘

**Product Type | 产品类型:**

SO-Solar Cap | 太阳能防护盖

**Connector Mate Style | 连接头匹配类型:**

M-Panel and Cable | 面板及电缆

**Connector Style | 连接头样式:**

F-Female Connector | 母连接头

M-Male Connector | 公连接头

**Mating Style | 接合方式:**

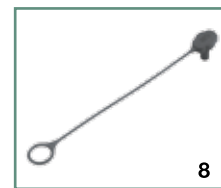
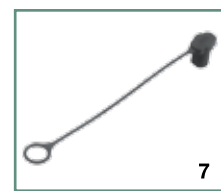
L-Lock | 锁式

**Connection Style | 连接方式:**

C-With Rubber Lead | 带橡胶连接带

**Appendix | 流水号:**

1, 2, 3...



## CCHSBOX-SJC20-001

**Specification | 产品规格:**

SBOX-Solar Junction Box | 太阳能接线盒

**Product Size | 产品型号:**

SJC-Cord Box | 接线盒, 94.4x88.0x25.7 mm

**Number of Connectors | 连接头数目:**

2-2 Connectors | 2连接头

4-4 Connectors | 4连接头

6-6 Connectors | 6连接头

**Number of Cable Gland | 戈兰数目:**

0-No Cable Gland | 无戈兰

2-2 Cable Glands | 2戈兰

**Appendix | 电缆长度:**

001, 002... -Without Cable | 无电缆

A01~A20-0.1M~2.0M Cable | 0.1米~2米电缆



# Detailed Product Information

## 详细产品信息

### Order Info. | 订货信息

No.   序号	Product Number   产品型号	Product Spec.   产品说明
15	CCHSL-000000-HHB-YL001	Lock Adapter 1F to 2M   锁式适配器: 1母连接头至2公连接头
16	CCHSL-000000-BBH-YL001	Lock Adapter 1M to 2F   锁式适配器: 1公连接头至2母连接头
17	CCHTOL-151701	15(HEX) and 17(HEX) Nut   15号/17号螺母扳手
18	CCHTOL-151702	TOL-151701+ANB00010501

### Order No. Interpretation | 订货号解释



## CCHSL-000000-HHB-YL001

**Specification | 产品规格:** SL-Solar Adapter | 太阳能适配器

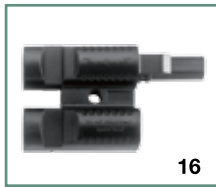
**No. of Contacts | 各端口触点数目:** 00,00,00-Default. RJ, USB, TNC, 1394 | 默认

**Connector Gender | 各端口连接头类型:** B-Female-Male | 母接头-公接头  
H-Male-Female | 公接头-母接头

**Adaptor Style | 适配器样式:** Y-Y Adaptor | Y型适配器

**Mating Style | 接合方式:** L-Lock | 锁式

**Appendix | 流水号:** 001, 002... -Without Cable | 无电缆



## CCHTOL-151701

**Specification | 产品规格:** TOL-Wrench | 扳手工具

**Tool Style | 工具类型:** 1517-15(HEX) / 17(HEX) Nut | 15号/17号螺母扳手

**Appendix | 流水号:** 01, 02...



### Certification | 认证



### Cable Specification | 电缆规格

Item   项目	Conductor   导线	Insulation   绝缘线	Jacket   护套
<b>Material   材质</b>	Tinned Copper   镀锡铜	XLPO   交联聚烯烃	Black, XLPO   黑色交联聚烯烃
<b>Cable Features   线缆特性</b>	IEC 60228, class 5	Flame retardant, halogen free, e-beam cross linked 防火, 无卤素, 电子束交联	Flame retardant, halogen free, e-beam cross linked, UV-resistant 防火, 无卤素, 电子束交联, 防紫外线
<b>Certification   认证</b>	TUV Rheinland 04/2008, 2Pfg1169/08/2007 PV1-F UL 4703 03.2006/P70V Wire; NEC NFPA 70 690.31A		

# Photovoltaic System Solution 光伏系统解决方案



**Photovoltaic Module Kit with Battery Back-up is solar remote power source for harsh and hazardous environments.**

**带备用电池的光伏模组元件，提供在苛刻和危险性环境下实现远程遥控的太阳能电源。**

## Solar Power Module Kit | 光伏模组元件



Deliver power to DC loads, such as instruments and sensors, and monitor and control processes and equipment remotely, without huge infrastructure investments. These solar modules can be combined with our Industrial Wireless Solutions to report status, enable remote control and deliver power anywhere on the planet. Pre-wired to NEC® specifications, they install quickly and easily. Includes weatherproof enclosures and rugged construction to deliver long life even in harsh weather conditions.

- UL Listed and FM Certified components
- NEMA 3R enclosure standard (4 and 4X available)

光伏模组元件可以传输电能到直流负载体上，例如仪器和传感器仪表，还可以监测、遥控进程和设备，并且不需要投资大额的基础设施。这些太阳能模块可以结合库柏的工业无线解决方案产品来报告状态，实现远程控制，并能传递电能到世界上任何地方。根据NEC®规范预装线路，您可以方便快捷地安装。由于使用三防(防水/防尘/防紫外线)接线箱并且具有坚固的结构，即使在恶劣的天气条件下，太阳能模块也能保持很长的使用寿命。

- 获得UL认证和FM认证的组件
- 标配NEMA 3R接线箱(NEMA 4 & 4X可选)



## Photovoltaic System Solution 光伏系统解决方案

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\*如有技术资料变更，恕不另行通知

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**COOPER** Crouse-Hinds

  
**COOPER** Interconnect

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