

## Al Cable Connector: A4-A

A 系列光伏铜铝连接器: A4-A



IEC 1500V  
UL 1500V



UL: 6703  
IEC: 62852



-40℃~90℃



UL94-V0



IP 68



UV Resistance



## Product Overview 产品概述:

A4-A connectors use high quality weather resistance materials that guarantee long-term reliability. A4-A could match 6mm<sup>2</sup> to 16mm<sup>2</sup> Al cables with 2.5mm<sup>2</sup> to 16mm<sup>2</sup> copper cables, it could be widely used in different applications. The lower contact resistance and higher current transfer capability ensure high product efficiency. A4-A connectors have IP68 waterproof rating and can be used in a wide operating temperature range from -40℃ to 90℃.

A4-A 系列连接器采用高品质绝缘耐候材料, 可保障产品在户外长期安全使用。产品可适配 6 平方到 16 平方光伏铝线之间以及与 2.5 平方到 16 平方光伏铜线的互连, 具有更广的应用范围。较小的接触电阻和更大电流传输能力保障了产品长期使用的可靠性。A4-A 系列连接器符合 IP68 额定标准, 且能够工作在 -40℃ 到 90℃ 极限环境。

## Technical Data 技术参数:

Rated Voltage 额定电压	IEC 1500V\UL1500V
Certification 执行标准	IEC 62852; UL 6703
Rated Current 额定电流	35A/40A/45A/55A/65A
Ambient 工作温度	-40℃ up to +90℃
Contact Resistance 接触电阻	≤0.25mΩ
Pollution Degree 污染等级	Class II
Protection Degree 保护等级	Class II
Fire Resistance 阻燃等级	UL94-V0
Rated Impulse Voltage 额定浪涌电压	16KV
Locking System 锁扣	NEC Locking Type

## Order Data 规格信息:

Connector Male Housing 连接器负极本体选型表		Connector Female Housing 连接器正极本体选型表		Male Terminal 负极导体选型表		Female Terminal 正极导体选型表	
Part NO 料号	Cable OD 线径	Part NO 料号	Cable OD 线径	Part NO 料号	Cable 适用线缆	Part NO 料号	Cable 适用线缆
A4-M6 6 型负极本体	4.7mm~6.0mm	A4-F6 5 型负极本体	4.7mm~6.0mm	A4-AT-M10 O 型公端子	6mm <sup>2</sup> ~10mm <sup>2</sup>	A4-AT-F10 O 型母端子	6mm <sup>2</sup> ~10mm <sup>2</sup>
A4-M7 7 型负极本体	5.6mm~7.0mm	A4-F7 7 型负极本体	5.6mm~7.0mm	A4-AT-M16 铜铝公端子	16mm <sup>2</sup>	A4-AT-F16 铜铝母端子	16mm <sup>2</sup>
A4-M9 9 型负极本体	6.8mm~8.7mm	A4-F9 9 型负极本体	6.8mm~8.7mm				
A4-M10 10 型负极本体	8.0mm~10mm	A4-F10 10 型负极本体	8.0mm~10mm				



Al-Cu Connector:A4-A

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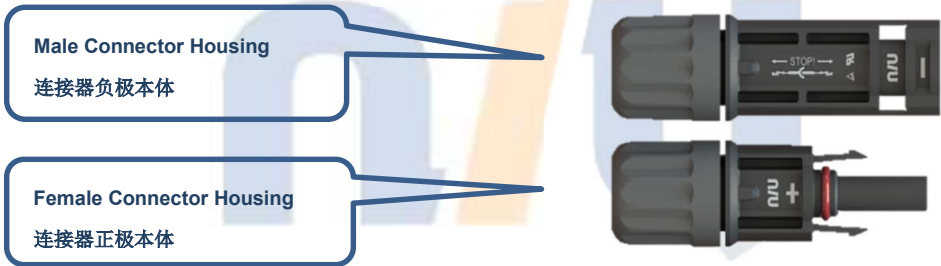


UV Resistance



Male Connector Housing 连接器负极本体	Female Connector Housing 正极本体	Male Terminal 负极导电体	Female Terminal 正极导电体	Terminal Package 导电体包装
<input type="checkbox"/> M6:A4-M6	<input type="checkbox"/> F6:A4-F6	<input type="checkbox"/> MP:A4-AT-M10	<input type="checkbox"/> FO:A4-AT-F10	<input type="checkbox"/> B:Terminal in bags
<input type="checkbox"/> M7: A4-M7	<input type="checkbox"/> F7: A4-F7	<input type="checkbox"/> MP:A4-AT-M16	<input type="checkbox"/> FO:A4-AT-F16	
<input type="checkbox"/> M9: A4-M9	<input type="checkbox"/> F9: A4-F9			
<input type="checkbox"/> M10: A4-M10	<input type="checkbox"/> F10: A4-F10			

\* Customized options available, for more information, please contact NIUpower's team: [Marketing@niu-power.com](mailto:Marketing@niu-power.com).



Type Al Cable Male Terminal for Al Cable

0 型 铝线用公端子（接铝线）



Type Al-Au Male Terminal for Al Cable

0 型 铝线用母端子（接铝线）

Package Info 包装信息:



Carton Dimension (cm)	Pack list	QTY	Gross Weight (kg)
59cm X 39cm X 18cm	Male Housing	500 pcs	16kg
	Female Housing	500 pcs	
	Male terminal	500 pcs	
	Female terminal	500 pcs	
Remark: 500 pairs in one carton package			

