



AC 250V



Max 25A



-40℃~85℃



UL94-V0



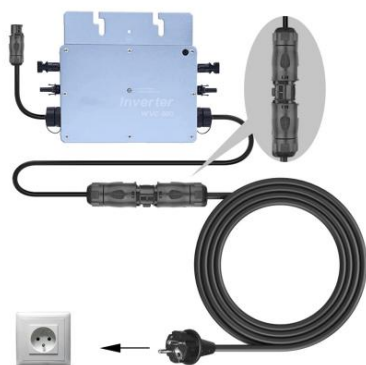
IP 68



UV Resistance

Product Overview:

A5-3P series are widely used in inverter devices. They could be compatible with AP Systems, Hoymiles, Deye, Envertech, Huayu, Bosswerk or TSUN-TSOL micro inverters' connectors. Also A5-3P series could match with BC01 series well. The products use high quality weather resistance materials that guarantee long-term reliability. The connectors could use 2.5 mm² to 4mm² cables. The lower contact resistance and higher current transfer capability ensure high product efficiency. IP68 water-proof rating and wide operating temperature range from -40 °C to 85 °C.



Crimping Terminals

Screw Terminals

Technical Data:

Rated Voltage	AC 250V
Terminals	3pin:PE+2P
Certified & Qualified	TUV & UL6703
Rated Current	10A for 3*1.5mm ² cables 20A for 3*2.5mm ² cables 25A for 3*4.0mm ² cables
Ambient Temp	-40℃ up to + 85℃
Contact Resistance	≤1mΩ
Waterproof IP	IP68
Voltage Test	4000V
Protection Degree	Class II
Fire Resistance	UL94-V0
Material	PPO/ Copper Alloy / PA

Remark:The harness could match 3*1.5mm² to 3*4mm² cables, they could be widely used in different applications. The harness series connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -30 °C to 85 °C. Customized options available, for more information, please contact NIU Power sales team: Marketing@niu-power.com



Order Data:

Part NO	Connector Type	Conduct Terminals		Cable OD Range	Package
A53001	Female Connector for cable	Crimping terminal for 3*1.5mm ² cable		10.5±1mm	10pcs/bag
A53002		Crimping terminal for 3*2.5mm ² cable		11.5±1mm	10pcs/bag
A53003		or 3*4.0mm ² cable		12.5±1mm	10pcs/bag
A53004		Screw terminal for 3*1.5mm ² cable		10.5±1mm	10pcs/bag
A53005		Screw terminal for 3*2.5mm ² cable		11.5±1mm	10pcs/bag
A53006		or 3*4.0mm ² cable		12.5±1mm	10pcs/bag
A53011	Male Connector for cable	Crimping terminal for 3*1.5mm ² cable		10.5±1mm	10pcs/bag
A53012		Crimping terminal for 3*2.5mm ² cable		11.5±1mm	10pcs/bag
A53013		or 3*4.0mm ² cable		12.5±1mm	10pcs/bag
A53014		Screw terminal for 3*1.5mm ² cable		10.5±1mm	10pcs/bag
A53015		Screw terminal for 3*2.5mm ² cable		11.5±1mm	10pcs/bag
A53016		or 3*4.0mm ² cable		12.5±1mm	10pcs/bag
Part NO	Name	IP	Material	PIC	Package
A5J401	Female Connector water proof Plug	IP68	PPO+Rubber		10pcs/bag
A5J402	Male Connector water proof Plug	IP68	PPO		10pcs/bag
A5J403	Female Connector dust proof Plug	IP51	TPE		10pcs/bag
A5J404	Male Connector dust proof Plug	IP51	TPE		10pcs/bag

Remark:The harness could match 3*1.5mm² to 3*4mm² cables, they could be widely used in different applications. The harness series connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 85 °C. Customized options available, for more information, please contact NIU Power sales team: Marketing@niu-power.com

