Cable Accessories for Microinverter of HMS Series



AC Trunk Cable, 12/10 AWG Cable

AC Trunk Cable is used to connect the microinverter to distribution box.
The Trunk Connector on the AC Trunk Cable is evenly distributed at intervals, Hoymiles provides AC Trunk Cable with different AC Trunk Connector spacing.



AC Trunk Connector

The AC Sub Connector of the microinverter can be inserted into the port of the AC Trunk Connector.
Plug and play connectors speed up and simplify installation.



AC Trunk Port Cap

Used to protect vacant AC Trunk Port.



AC Trunk End Cap

Used to protect the cable port of AC Trunk Connector at the end of the AC branch.



AC Trunk Port Disconnect Tool

Used to disconnect the connection between the microinverter and the AC Trunk Connector.



AC Trunk Connector Unlock Tool

Used to unlock the AC Trunk Connector upper cover so that the cable can be removed, replaced, and the AC Trunk End Cap installed.



DC Extension Cable

Connect the microinverter and the PV module when the distance between this two exceeds the original cable length.

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Technical Specifications

Model	AC Trunk Cable	
Main Parameters		
Cable type	10 AWG	12 AWG
Rated voltage	600 V	
Cable outer diameter	12.5±0.40 mm	11.1±0.30 mm
Ambient temperature range	-40℃ to +90℃	
AC Trunk Connector spacing	4.2 m/2 m	1 m
Number of AC Trunk Connectors per Single AC Trunk Cable	10/20	40
Single AC Trunk Cable length	39.3 m/41 m	46 m
Compliance		
Product standard	UL 44, UL 1277, UL 1581	
RoHS compliant	Yes	

Model	AC Trunk Connector
Main Parameters	
Pin number	2P+PE
Rated current	32 A (Use 10 AWG/6mm^2 copper cable)
Rated voltage	300 V
Contact resistance	≤5 mΩ
Power frequency withstand voltage	1500V AC
Over voltage type	III
Connection Parameter	
Applicable cable specification	12/10 AWG
Applicable cable outer diameter	10 mm to 13 mm
Cable connection type	Screw pressing
Sub connector connection type	Crimping
Mechanical Data	
Ambient temperature range	-40℃ to +85℃
Dimensions (L × W × H mm)	150 × 40 × 110
Protection rating	IP68
Flame resistance degree	UL 94-V0
Compliance	
Product standard	PPP 59015A:2013 ANSI/UL 6703-2017
RoHS compliant	Yes

Model	DC Extension Cable	
Cable		
Cable type	PV1-F 1X4	
Rated current	20 A	
Rated voltage	Max.1800V DC	
Cable length	1 m	
Ambient temperature range	-40℃ to +90℃	
Product standard	2 PfG 1169/08.2007	
DC Connector		
Manufacturer	Betteri	Staubli
Type	BC03A, BC03B	PV-KBT4/6II-UR
Rated current	30 A	39 A (TUV), 30 A (UL)
Rated voltage	1000 V DC (TUV), 600/1000 V DC (CSA)	1000 V DC (TUV), 1500 V DC (UL)
Rated impulse withstand voltage	6000 V	12000 V
Over voltage category	III	
Ambient temperature range	-40℃ to +85℃	-40℃ to +85℃ (TUV), -40℃ to +75℃ (UL)
Protection rating	IP67	IP68
Flame resistance degree	UL 94-V0	
Product standard	EN 62852:2014 UL 6703	EN 62852 UL 6703 2PfG2330 CNCA/CTS0002-2012
RoHS compliant	Yes	

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Ordering Information

AC (Single Phase Trunk) Accessories

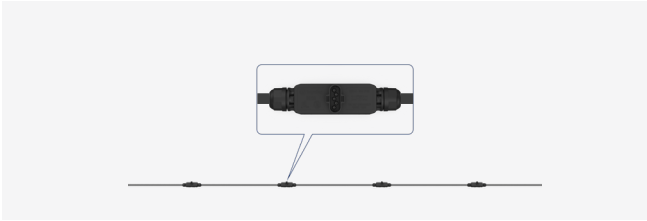
Type	Model	Description
AC Trunk Cable	AC Trunk Cable_40T_40L_12AWG-1m	40 AC Trunk Connectors and 40 AC Cables (Per Cable Length 1m, 12 AWG)
	AC Trunk Cable_20T_20L_10AWG-2m	20 AC Trunk Connectors and 20 AC Cables (Per Cable Length 2 m, 10 AWG)
	AC Trunk Cable_10T_10L_10AWG-4.2m	10 AC Trunk Connectors and 10 AC Cables (Per Cable Length 4.2 m, 10A WG)
AC Trunk Port Disconnect Tool	AC Trunk Port Disconnect Tool	1 AC Trunk Port Disconnect Tool
AC Trunk Port Cap	AC Trunk Port Cap	1 AC Trunk Port Cap
AC Trunk Connector Unlock Tool	AC Trunk Connector Unlock Tool	1 AC Trunk Connector Unlock Tool
AC Trunk End Cap	AC Trunk End Cap	1 AC Trunk End Cap

DC Accessories

Type	Model	Description
DC Connector	DC_Connector_F	1 DC Female Connector (Betteri BC03)
	DC_Connector_M	1 DC Male Connector (Betteri BC03)
DC Connector Unlock Tool	MC4_Con_Unlock	1 DC Connector Disconnect Tool
DC Extension Cable	DC_Ext_Cable-1m	1 DC Male Connector (Betteri BC03), 1 DC Cable (Cable Length 1m, 12 AWG) and 1 DC Female Connector (Betteri BC03)
	Stau_DC_Ext_Cable-1m	1 DC Male Connector (Staubli MC4), 1 DC Cable (Cable Length 1m, 12 AWG) and 1 DC Female Connector (Staubli MC4)

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Cable Accessories for Microinverter of HMT Series



3P-AC Trunk Cable, 12/10 AWG Cable

3P-AC Trunk Cable is used to connect the microinverter to distribution box.
The Trunk Connector on the 3P-AC Trunk Cable is evenly distributed at intervals, Hoymiles provides 3P-AC Trunk Cable with different AC Trunk Connector spacing.



3P-AC Trunk Connector

The AC Sub Connector of the microinverter can be inserted into the port of the 3P-AC Trunk Connector.
Plug and play connectors speed up and simplify installation.



3P-AC Trunk Port Cap

Used to protect vacant AC Trunk Port.



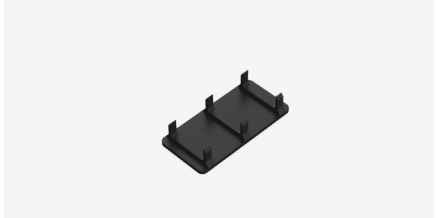
3P-AC Trunk End Cap

Used to protect the cable port of 3P-AC Trunk Connector at the end of the 3P-AC branch.



3P-AC Trunk Port Disconnect Tool

Used to disconnect the connection between the microinverter and the 3P-AC Trunk Connector.



3P-AC Trunk Connector Unlock Tool

Used to unlock the 3P-AC Trunk Connector upper cover so that the cable can be removed, replaced, and the 3P-AC Trunk End Cap installed.



DC Extension Cable

Connect the microinverter and the PV module when the distance between the two exceeds the original cable length.

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Technical Specifications

Model	3P-AC Trunk Cable
Main Parameters	
Cable type	10 AWG
Rated voltage	600 V
Cable outer diameter	15.8±0.50 mm
Ambient temperature range	-40℃ to +90℃
AC Trunk Connector spacing	3.05 m
Number of AC Trunk Connectors per single AC Trunk Cable	14
Single AC Trunk Cable length	45.5 m
Compliance	
Product standard	UL 44, UL 1277, UL 1581
RoHS compliant	Yes

Model	3P-AC Trunk Connector
Main Parameters	
Pin number	3P+N+PE
Rated current	32 A (Use 10 AWG/6mm^2 copper cable)
Rated voltage	500 V
Contact resistance	≤5 mΩ
Power frequency withstand voltage	3000 V AC
Over voltage type	III
Connection Parameter	
Applicable cable specification	12/10 AWG
Applicable cable outer diameter	13 mm to 18 mm
Cable connection type	Screw pressing
Sub connector connection type	Crimping
Mechanical Data	
Ambient temperature range	-40℃ to +85℃
Dimensions (L × W × H mm)	200 × 45 × 120
Protection rating	IP68
Flame resistance degree	UL 94-V0
Compliance	
Product standard	2PfG1915 ANSI/UL 6703-2017
RoHS compliant	Yes

Model	DC Extension Cable	
Cable		
Cable type	PV1-F 1X4	
Rated current	20 A	
Rated voltage	Max.1800V DC	
Cable length	1 m	
Ambient temperature range	-40℃ to +90℃	
Product standard	2 PfG 1169/08.2007	
DC Connector		
Manufacturer	Betteri	Staubli
Type	BC03A, BC03B	PV-KBT4/6II-UR
Rated current	30 A	39 A (TUV), 30 A (UL)
Rated voltage	1000 V DC (TUV), 600/1000 V DC (CSA)	1000 V DC (TUV), 1500 V DC (UL)
Rated impulse withstand voltage	6000 V	12000 V
Over voltage category	III	
Ambient temperature range	-40℃ to +85℃	-40℃ to +85℃ (TUV), -40℃ to +75℃ (UL)
Protection rating	IP67	IP68
Flame resistance degree	UL 94-V0	
Product standard	EN 62852:2014 UL 6703	EN 62852 UL 6703 2PfG2330 CNCA/CTS0002-2012
RoHS compliant	Yes	

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Ordering Information

AC (Three phase Trunk) Accessories

Type	Model	Description
3P-AC Trunk Cable	3P-AC Trunk Cable_14T_14L_12 AWG-3.05 m	14 Three-phase AC Trunk Connectors and 14 AC Cables (Per Cable Length 3.0 5m, 12 AWG)
	3P-AC Trunk Cable_14T_14L_10 AWG-3.05 m	14 Three-phase AC Trunk Connectors and 14 AC Cables (Per Cable Length 3.05 m, 10 AWG)
3P-AC Trunk Port Disconnect Tool	3P-AC Trunk Port Disconnect Tool	1 Three-Phase AC Trunk Port Disconnect Tool
3P-AC Trunk Connector Unlock Tool	3P-AC Trunk Connector Unlock Tool	1 Three-Phase AC Trunk Connector Unlock Tool
3P-AC Trunk Port Cap	3P-AC Trunk Port Cap	1 Three-Phase AC Trunk Port Cap
3P-AC Trunk End Cap	3P-AC Trunk End Cap	1 Three-phase AC Trunk End Cap

DC Accessories

Type	Model	Description
DC Connector	DC_Connector_F	1 DC Female Connector (Betteri BC03)
	DC_Connector_M	1 DC Male Connector (Betteri BC03)
DC Connector Unlock Tool	MC4_Con_Unlock	1 DC Connector Disconnect Tool
DC Extension Cable	DC_Ext_Cable-1m	1 DC Male Connector (Betteri BC03), 1 DC Cable (Cable Length 1m, 12 AWG) and 1 DC Female Connector (Betteri BC03)
	Stau_DC_Ext_Cable-1m	1 DC Male Connector (Staubli MC4), 1 DC Cable (Cable Length 1m, 12 AWG) and 1 DC Female Connector (Staubli MC4)

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