

Cable Accessories for Microinverter of HM-N Series



AC Connector – F

Can be connected with the AC Connector – M of the microinverter.
Used for making AC end cable or AC extension cable.



AC Connector – M

Can be connected with the AC Connector – F of the microinverter.
Used for making AC end cable or AC extension cable.



AC Connector Cap – F

Used to protect vacant AC Connector – F.



AC Connector Cap – M

Used to protect vacant AC Connector – M.



AC End Cable-M/F

Consist of an AC Connector – M or F
and a cable, to connect the microinverter
branch to the distribution box.



AC Extension Cable

Consist of an AC Connector-M, an AC
Connector-F and an AC cable, to connect the
microinverters when the distance between
the microinverters exceeds the original cable
length.



DC Extension Cable

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

Technical Specifications

Model	AC Connector - F	AC Connector - M
Main Parameter		
Pin number	2P+PE	
Rated current	25 A	
Rated voltage	250 V AC (TUV), 250/350 V AC (CSA)	
Contact resistance	≤1 mΩ	
Power frequency withstand voltage	4000 V AC	
Over voltage category	III	
Connection Parameter		
Applicable cable specification	14/12 AWG	
Applicable cable outer diameter	10 mm to 13 mm	
Locking system	Bayonet	
Connector gender	Female	Male
Wiring connection	Screw type	
Mechanical Data		
Ambient temperature range	-40°C to +85°C	
Dimensions (L × W × H mm)	85.5 × 35 × 35	
Protection rating	IP68	
Flame resistance degree	UL 94-V0	
Compliance		
Product standard	EN61535:2012 PPP 59015A:2013 UL 6703A	
RoHS compliant	Yes	

Model	AC End Cable-M/F	AC Extension Cable
Cable		
Cable type	12 AWG	
Rated voltage	600 V	
Cable length	2/5 m	2/3 m
Ambient temperature range	-40°C to +90°C	
Product standard	UL 44, UL 1277, UL 1581	
AC Connector		
Type	AC connector - M/F	AC connector - M and F

Model	DC Extension Cable	
Cable		
Cable type	PV1-F 1X4	
Rated current	20 A	
Rated voltage	Max.1800 V DC	
Cable length	1 m	
Ambient temperature range	-40°C to +90°C	
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°C to +85°C	-40°C to +85°C (TUV), -40°C to +75°C (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	

Ordering Information

AC (Daisy Chain) Accessories

Type	Model	Description
AC Connector	AC_Connector_F	1 AC Female Connector (Betteri BC01)
	AC_Connector_M	1 AC Male Connector (Betteri BC01)
AC Connector Cap	AC_Con_F_Cap	1 AC Female Connector End Cap (3PNEPC37, for Betteri BC01)
	AC_Con_M_Cap	1 AC Male Connector End Cap (3PPEPC26, for Betteri BC01)
AC End Cable	AC_End_Cable-F-2m	1 AC Female Connector (Betteri BC01) and 1 AC Cable (Cable Length 2m, 12AWG)
	AC_End_Cable-F-5m	1 AC Female Connector (Betteri BC01) and 1 AC Cable (Cable Length 5m, 12AWG)
	AC_End_Cable-M-2m	1 AC Male Connector (Betteri BC01) and 1 AC Cable (Cable Length 2m, 12AWG)
AC Extension Cable	AC_Ext_Cable-2m	1 AC Female Connector (Betteri BC01), 1 AC Cable (Cable Length 2m, 12AWG) and 1 AC Male Connector (Betteri BC01)
	AC_Ext_Cable-3m	1 AC Female Connector (Betteri BC01), 1 AC Cable (Cable Length 3m, 12AWG) and 1 AC Male Connector (Betteri BC01)

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, 12AWG) and 1 DC Female Connector (Betteri BC03)
	Stau_DC_Ext_Cable-1m	11 DC Male Connector (Staubli MC4), 1 DC Cable (Cable Length 1m, 12AWG) and 1 DC Female Connector (Staubli MC4)