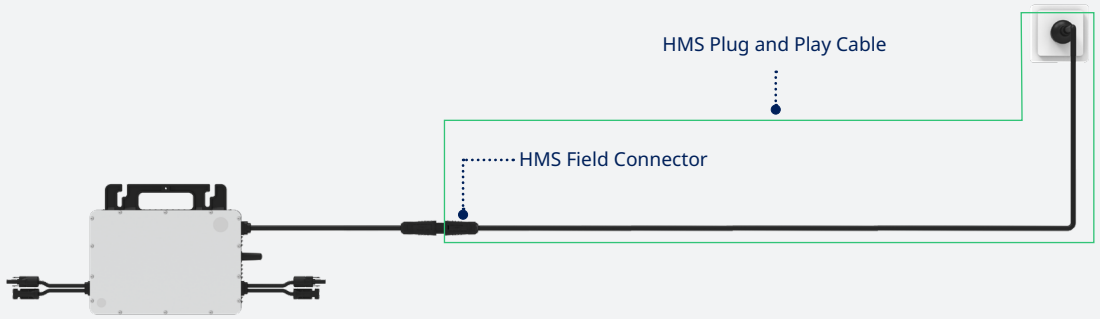
HMS Cable Accessories

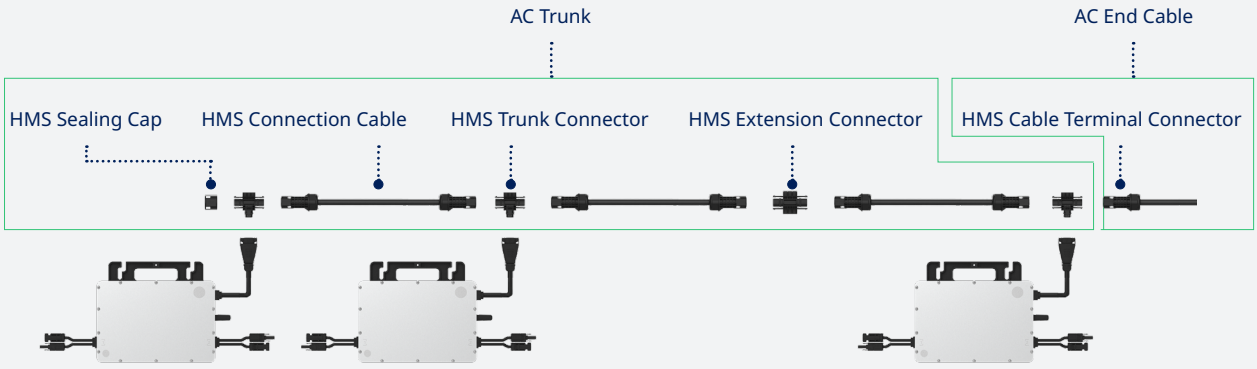
SIMPLIFY YOUR INSTALLATION WITH EASY & FLEXIBLE & RELIABLE CABLE SYSTEM

The HMS cable system is a revolutionary cabling solution designed for the HMS series microinverters, which can be used in PV systems with either one or multiple microinverters. Its user-friendly plug-and-play design makes the installation easier, faster, and more reliable. The HMS cable system also features high flexibility, allowing users to mix and match HMS Connection Cables of different sizes or lengths to achieve their desired wiring configuration at the lowest cost.

Single-Microinverter System



Multi-Microinverter System



Time-saving & Cost-effective

- *Plug-and-play design eliminates the need for complex wiring and crimping, cutting installation time by 70%*
- *Handle current up to 40 A, allowing more microinverters to be connected in series and lowering system costs*

Flexibility

- *Provide great flexibility for AC Trunk design that caters to the specific requirements of your PV system*
- *Work with HMS Connection Cables of different cable sizes*

Compatibility

- *Work seamlessly with the current HMS series microinverters*

Reliability

- *Improved internal design reduces connection resistance*
- *Plug-and-play assembly minimizes the risk of errors during field installation*

Single-Microinverter System

HMS Field Connector

HMS Field Connector is designed for the PV system with only one microinverter. It provides a quick and simple electrical connection between the microinverter and the grid by serving as a joining component.

HMS Plug and Play Cable

HMS Plug and Play Cable is designed for the PV system with only one microinverter. It consists of the HMS field connector, AC cable, and plug. The HMS field connector is connected to the microinverter, and the plug is connected to the household socket in accordance with local regulations.

Technical Specifications

HMS Field Connector Parameters

Pin number	2P + PE
Rated voltage	300 V
Rated current	12 A (Use 1.5 mm² copper cable)
Applicable cable specification	1.0/1.5 mm²
Wire hole diameter	2.6 mm
Applicable cable outer diameter	8 mm to 9.5 mm
Cable connection type	screw pressing
Ambient temperature range	-40℃ to +85℃
Dimensions (L × W × H)	135 × 38 × 25 mm
Protection degree	IP68
Flame resistance degree	UL94-V0
Compliance	RoHS
Product standard	PPP 59015A: 2013

HMS Plug and Play Cable Parameters

Consisting components	HMS Field Connector + Cable + AC plug
Cable type	PV07AC-F
Conductors cross-sectional area	1.5 mm²
Cable outer diameter	9.3 ± 0.40 mm
Minimum bending radius	5 cm
AC Plug standard	CEE 7/7
Rated voltage	250 V
Rated current	12 A
Ambient temperature range	-40℃ to +85℃
Compliance	RoHS
Product standard	PPP 59015A: 2013 (Connector) / TÜV 2 PfG 1940 (Cable) / VDE 0620 (Plug)

Ordering Options

Model	Cable Length Between Connector and AC Plug	Number per Box	Box Dimensions
HMS Field Connector	\	300 PCS	495 × 290 × 255 mm
HMS Plug and Play Cable-CEE7/7-3m	3.0 m (customizable)	30 PCS	345 × 345 × 375 mm
HMS Plug and Play Cable-CEE5m	5.0 m	20 PCS	345 × 345 × 375 mm

Multi-Microinverter System

HMS Connection Cable

Make a customized AC Trunk by utilizing HMS Trunk Connectors and HMS Extension Connectors.

HMS Trunk Connector

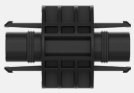
Used to connect the microinverter's AC output to the AC Trunk, as well as to join together multiple HMS Connection Cables to create the AC Trunk.

HMS Cable Terminal Connector

Used to form an AC cable into the AC End Cable, completing the connection between the AC Trunk and the distribution box. It supports a maximum cable diameter of 16.5 mm.

HMS Extension Connector

Used to extend your cable runs when the distance between two microinverters exceeds the standard length of an HMS Connection Cable.



HMS Sealing Cap

Used to cover the unused connection port on the HMS Trunk Connector, which is typically located at the beginning of the AC Trunk.

HMS Disconnect Tool

A versatile tool that can be used to take apart connectors, tighten nuts, and loosen nuts.

Technical Specifications

Connector System Parameter	
Pin number	2P + PE
Rated voltage	300 V
Rated current	40 A
Max. supported conductor sizes	6.0 mm²
Max. supported cable outer diameter	16.5 mm
Ambient temperature range	-40℃ to +85℃
Protection degree	IP68
Flame resistance degree	UL94-V0
Compliance	RoHS
Product standard	IEC 61984

Cable System Parameter	
Cable type	H07RN-F
Rated voltage	450 V
Conductor size	2.5 mm² / 4.0 mm² / 6.0 mm²
UV exposure rating	According to 2PfG 1940
Cable flame rating	According to IEC 60332-1-2
Ambient temperature range	-40℃ to +90℃
Compliance	RoHS
Product standard	EN50525-2-21

Connector Ordering Options

Connector Model	Number per Box	Box Dimensions
HMS Sealing Cap	500 PCS	480 × 354 × 265 mm
HMS Trunk Connector	200 PCS	480 × 354 × 265 mm
HMS Extension Connector	200 PCS	480 × 354 × 265 mm
HMS Disconnect Tool	200 PCS	480 × 354 × 265 mm
HMS Cable Terminal Connector	200 PCS	480 × 354 × 265 mm

Connection Cable Model	Conductors Cross Sectional Area	Rated Current @55 °C*	Cable Length Between Connectors**	Minimum Bending Radius	Number per Box	Box Dimensions
HMS Connection Cable-ENH25-110	3 × 2.5 mm^2	24 A	1.1 m	8 cm	30 PCS	480 × 354 × 265 mm
HMS Connection Cable-ENH25-200	3 × 2.5 mm^2	24 A	2.0 m	8 cm	25 PCS	480 × 354 × 265 mm
HMS Connection Cable-ENH25-230	3 × 2.5 mm^2	24 A	2.3 m	8 cm	25 PCS	480 × 354 × 265 mm
HMS Connection Cable-ENH25-460	3 × 2.5 mm^2	24 A	4.6 m	8 cm	15 PCS	480 × 354 × 265 mm
HMS Connection Cable-ENH40-110	3 × 4.0 mm^2	32 A	1.1 m	9 cm	TBD	480 × 354 × 265 mm
HMS Connection Cable-ENH40-200	3 × 4.0 mm^2	32 A	2.0 m	9 cm	18 PCS	480 × 354 × 265 mm
HMS Connection Cable-ENH40-230	3 × 4.0 mm^2	32 A	2.3 m	9 cm	18 PCS	480 × 354 × 265 mm
HMS Connection Cable-ENH40-460	3 × 4.0 mm^2	32 A	4.6 m	9 cm	TBD	480 × 354 × 265 mm
HMS Connection Cable-ENH60-110	3 × 6.0 mm^2	40 A	1.1 m	10 cm	TBD	480 × 354 × 265 mm
HMS Connection Cable-ENH60-200	3 × 6.0 mm^2	40 A	2.0 m	10 cm	TBD	480 × 354 × 265 mm
HMS Connection Cable-ENH60-230	3 × 6.0 mm^2	40 A	2.3 m	10 cm	TBD	480 × 354 × 265 mm
HMS Connection Cable-ENH60-460	3 × 6.0 mm^2	40 A	4.6 m	10 cm	8 PCS	480 × 354 × 265 mm

*: Rated Current @55 °C: The given value is typical at 55°C temperature and may differ at different temperatures. To calculate the actual current carrying capacity of the cable at other temperatures, refer to the technical note 'Ampacity Calculation Guide for Hoymiles HMS Cable System'. Please comply with local standards when designing and installing cables.

**: Cable length can be customized. Please contact Hoymiles sales team for more details.

Subject to change without notice. Scan the QR code or go to the Hoymiles website (hoymiles.com) to access more information.

HMS Cable System