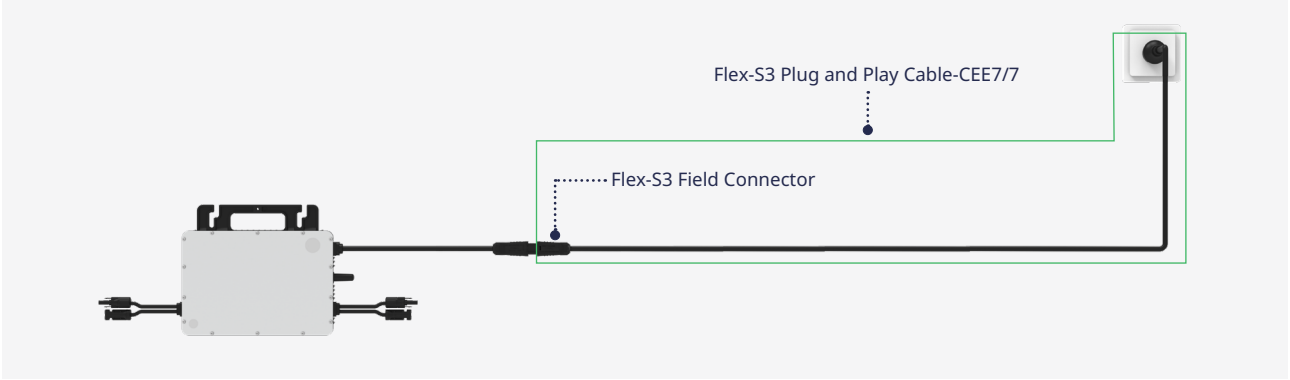
Flex-S3 Cable Accessories

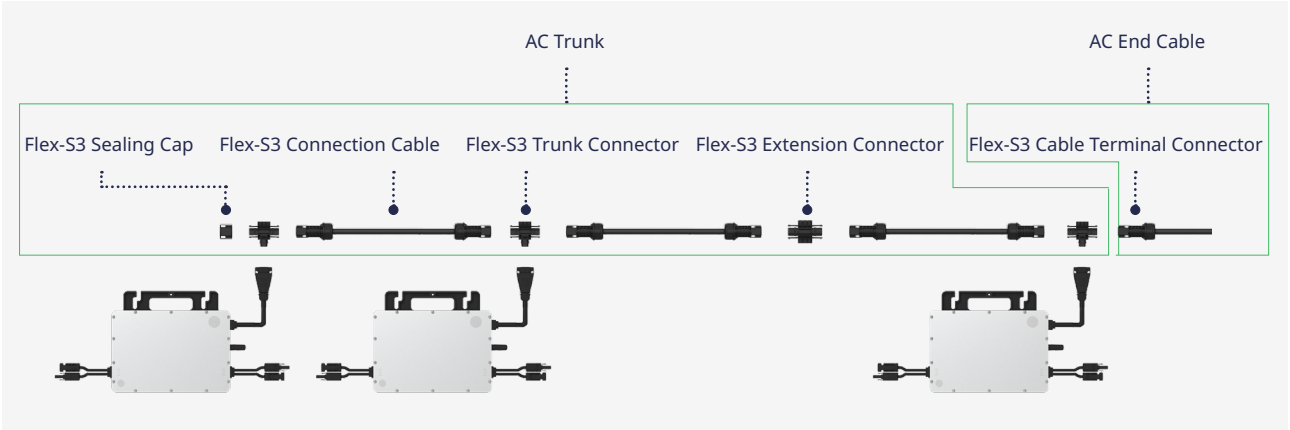
SIMPLIFY YOUR INSTALLATION WITH EASY & FLEXIBLE & RELIABLE CABLE SYSTEM

The Flex-S3 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 Flex-S3 Cable System also features high flexibility, allowing you to mix and match Flex-S3 Connection Cables of different sizes or lengths to achieve your 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 Flex-S3 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*

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Single-Microinverter System

Flex-S3 Field Connector

The Flex-S3 Field Connector is used when a PV system has only one microinverter. It helps make a quick and simple connection between the microinverter and the electrical grid.



Flex-S3 Plug and Play Cable-CEE7/7

The Flex-S3 Plug and Play Cable-CEE7/7 is designed for the situation where a PV system has only one microinverter. It includes a Flex-S3 Field Connector, an AC cable, and a plug. The Flex-S3 Field Connector attaches to the microinverter, and the plug connects to a household socket, following local regulations. This simple design lets you quickly and easily connect the system to the grid.



Technical Specifications

Flex-S3 Field Connector	
Compatible microinverter	HMS series
Pin number	2P+PE
Rated voltage	300 V
Rated current	12 A (Use 1.5 mm^2 copper cable)
Applicable cable specification	1.0/1.5 mm^2
Applicable cable outer diameter	8 to 9.5 mm
Cable connection type	Screw pressing (Solid Wire) / Crimping (Stranded Wire)
Ambient temperature range	-40℃ to +85℃
Dimensions (L × W × H)	135 × 38 × 25 mm
Protection degree	IP68
Flame resistance degree	UL 94-V0
Compliance	RoHS
Product standard	PPP 59015A: 2013
Flex-S3 Plug and Play Cable-CEE7/7	
Compatible microinverter	HMS series
Consisting components	Flex-S3 Field Connector + Cable + AC plug
Cable type	PV07AC-F
Conductors cross-sectional area	1.5 mm^2
Cable outer diameter	9.3±0.40 mm
Minimum bending radius	6 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

Name	New Model (Previous Model)*	Cable Length Between Connector and Plug	Number per Box	Box Dimensions
Flex-S3 Field Connector	S3-FC-EN15S (HMS Field Connector-1PCS)	/	300 PCS	495 × 290 × 255 mm
	S3-FC-EN15S(100PCS) ** (HMS Field Connector-100PCS)	/	300 PCS (3 bags × 100 PCS per each)	495 × 290 × 255 mm
	S3-FC-EN15C(100PCS)** (HMS Field Connector-EN15C-100PCS)	/	300 PCS (3 bags × 100 PCS pe reach)	495 × 290 × 255 mm
Flex-S3 Plug and Play Cable-CEE7/7	S3-PPC7-EN15-300 (HMS Plug and Play Cable-CEE7/7-3m)	3.0 m	30 PCS	345 × 345 × 375 mm
	S3-PPC7-EN15-500 (HMS Plug and Play Cable-CEE7/7-5m)	5.0 m	20 PCS	345 × 345 × 375 mm
	S3-PPC7-EN15-1000	10.0 m	10 PCS	345 × 345 × 375 mm

**: Hoymiles has renamed the accessories listed above, and that's the only change we've made. Please be assured that everything else remains the same.*

***: The S3-FC-EN15S and S3-FC-EN15S (100PCS) are designed for solid wire and use screws to hold the conductors in place, while the S3-FC-EN15C (100PCS) is designed for stranded wire and uses a crimping method to secure the conductors.*

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Multi-Microinverter System

Flex-S3 Connection Cable

Make a customized AC Trunk by utilizing Flex-S3 Trunk Connectors and Flex-S3 Extension Connectors.



Flex-S3 Trunk Connector

Used to connect the microinverter's AC output to the AC Trunk, as well as to join together multiple Flex-S3 Connection Cables to create the AC Trunk.



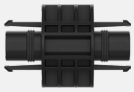
Flex-S3 Cable Terminal Connector

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.



Flex-S3 Extension Connector

Used to extend your cable runs when the distance between two microinverters exceeds the standard length of a Flex-S3 Connection Cable.



Flex-S3 Sealing Cap

Used to cover the unused connection port on the Flex-S3 Trunk Connector, which is typically located at the beginning of the AC Trunk.



Flex-S3 Disconnect Tool

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



Technical Specifications

Connector System Parameter	
Compatible microinverter	HMS series
Pin number	2P + PE
Rated voltage	300 V
Rated current	40 A
Max. supported conductor sizes	6.0 mm^2
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 Parameter	
Cable type	H07RN-F
Rated voltage	450 V
Conductor size	2.5 mm^2 / 4.0 mm^2 / 6.0 mm^2
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

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Ordering Options

Name	New Model (Previous Model)*	Number per Box	Box Dimensions
Flex-S3 Sealing Cap	S3-SC (HMS Sealing Cap-1PCS)	500 PCS	480 × 354 × 265 mm
Flex-S3 Trunk Connector	S3-TC-EN (HMS Trunk Connector-1PCS)	200 PCS	480 × 354 × 265 mm
Flex-S3 Extension Connector	S3-EC-EN (HMS Extension Connector-1PCS)	200 PCS	480 × 354 × 265 mm
Flex-S3 Disconnect Tool	S3-DT (HMS Disconnect Tool-1PCS)	200 PCS	480 × 354 × 265 mm
Flex-S3 Cable Terminal Connector	S3-CTC-EN25C (HMS Cable Terminal Connector-EN25-1PCS)	200 PCS	480 × 354 × 265 mm
	S3-CTC-EN4060C (HMS Cable Terminal Connector-EN4060-1PCS)	200 PCS	480 × 354 × 265 mm
	S3-CTC-EN2560C (HMS Cable Terminal Connector-ENA-1PCS)	200 PCS	480 × 354 × 265 mm
	S3-CTC-EN2560S	200 PCS	480 × 354 × 265 mm

Name	Connection Cable New Model (Previous Model)*	Conductors Cross Sectional Area	Rated Current @55 °C**	Cable Length Between Connectors***	Minimum Bending Radius	Number per Box	Box Dimensions
Flex-S3 Connection Cable	S3-CC-EN25-110 (HMS Connection Cable-EN25-110)	3 × 2.5 mm^2	25 A	1.1 m	8 cm	30 PCS	480 × 354 × 265 mm
	S3-CC-EN25-200 (HMS Connection Cable-EN25-200)	3 × 2.5 mm^2	25 A	2.0 m	8 cm	25 PCS	480 × 354 × 265 mm
	S3-CC-EN25-230 (HMS Connection Cable-EN25-230)	3 × 2.5 mm^2	25 A	2.3 m	8 cm	25 PCS	480 × 354 × 265 mm
	S3-CC-EN25-300 (HMS Connection Cable-EN25-300)	3 × 2.5 mm^2	25 A	3.0 m	8 cm	20 PCS	480 × 354 × 265 mm
	S3-CC-EN25-460 (HMS Connection Cable-EN25-460)	3 × 2.5 mm^2	25 A	4.6 m	8 cm	15 PCS	480 × 354 × 265 mm
	S3-CC-EN40-110 (HMS Connection Cable-EN40-110)	3 × 4.0 mm^2	34 A	1.1 m	9 cm	35 PCS	480 × 354 × 265 mm
	S3-CC-EN40-200 (HMS Connection Cable-EN40-200)	3 × 4.0 mm^2	34 A	2.0 m	9 cm	20 PCS	480 × 354 × 265 mm
	S3-CC-EN40-230 (HMS Connection Cable-EN40-230)	3 × 4.0 mm^2	34 A	2.3 m	9 cm	20 PCS	480 × 354 × 265 mm
	S3-CC-EN40-300 (HMS Connection Cable-EN40-300)	3 × 4.0 mm^2	34 A	3.0 m	9 cm	15 PCS	480 × 354 × 265 mm
	S3-CC-EN40-460 (HMS Connection Cable-EN40-460)	3 × 4.0 mm^2	34 A	4.6 m	9 cm	10 PCS	480 × 354 × 265 mm
	S3-CC-EN60-110 (HMS Connection Cable-EN60-110)	3 × 6.0 mm^2	40 A	1.1 m	10 cm	TBD	480 × 354 × 265 mm
	S3-CC-EN60-200 (HMS Connection Cable-EN60-200)	3 × 6.0 mm^2	40 A	2.0 m	10 cm	20 PCS	480 × 354 × 265 mm
	S3-CC-EN60-230 (HMS Connection Cable-EN60-230)	3 × 6.0 mm^2	40 A	2.3 m	10 cm	15 PCS	480 × 354 × 265 mm
	S3-CC-EN60-300 (HMS Connection Cable-EN60-300)	3 × 6.0 mm^2	40 A	3.0 m	10 cm	TBD	480 × 354 × 265 mm
	S3-CC-EN60-460 (HMS Connection Cable-EN60-460)	3 × 6.0 mm^2	40 A	4.6 m	10 cm	5 PCS	480 × 354 × 265 mm

**: Hoymiles has renamed the accessories listed above, and that's the only change we've made. Please be assured that everything else remains the same.*

***: The value provided is typical at 55°C and may change at different temperatures. For calculating the actual current capacity of the cable at other temperatures, refer to the 'Calculating the Current-Carrying Capacity of Cables in Single-Phase Cable System'. Be sure to follow local standards when designing and installing cables.*

****: Cable length is customizable. For more details, please contact the Hoymiles sales team.*

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