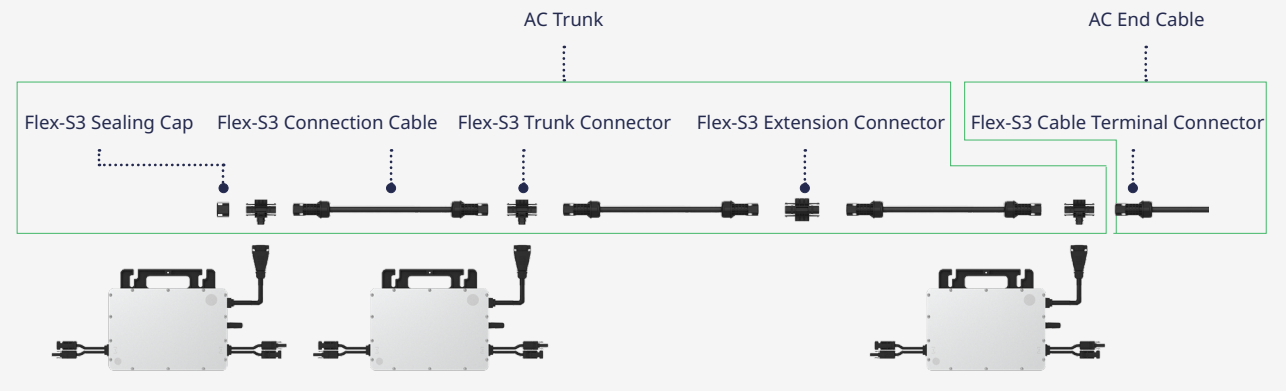
Flex-S3 Cable Accessories

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. 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.



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*

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.



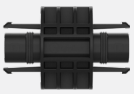
Flex-S3 Cable Terminal Connector

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.



© 2024 Hoymiles Power Electronics Inc. All rights reserved.
hoymiles.com
sales@hoymiles.com

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

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

© 2024 Hoymiles Power Electronics Inc. All rights reserved.

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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	40 A	1.1 m	10 cm	TBD	480 × 354 × 265 mm
	S3-CC-EN60-200 (HMS Connection Cable-EN60-200)	3 × 6.0 mm²	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 mm²	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 mm²	40 A	3.0 m	10 cm	TBD	480 × 354 × 265 mm
	S3-CC-EN60-460 (HMS Connection Cable-EN60-460)	3 × 6.0 mm²	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.*

© 2024 Hoymiles Power Electronics Inc. All rights reserved.