

## 1. Accessory introduction

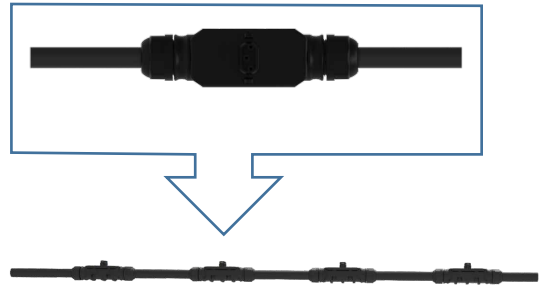
### ShineWeLink (with an AC/DC Power Adapter)

The ShineWeLink is used to work with the Microinverter with RF communication. It can upload data about the Microinverter to the server, supporting monitoring, settings and remote upgrade. The ShineWeLink can monitor up to 5 Microinverters.



### AC Bus Cable (AWG 12/10)

The AC Trunk Cable, with pre-mounted AC Trunk Connectors evenly distributed, is used to connect the Microinverter to the distribution panel. Growatt offers AC Trunk Cables with different specifications: AC Trunk Cable\_20T\_20L\_12AWG-2m and AC Trunk Cable\_20T\_20L\_10AWG-2m.



### AC Trunk Connector (AWG 12/10)

The AC Trunk Connector can be used to connect with the AC Branch Cable of a single Microinverter or multiple Microinverters by assembling the AC Trunk Cable with a couple of hand-in-hand AC Trunk Connectors.



### Male AC Sub Connector

The Male AC Sub Connector is suitable for applications with a single Microinverter. The Male AC Sub Connector can be used to connect the AC Branch Cable of Microinverter to the distribution panel.



### AC Trunk Port Cap

The AC Trunk Port Cap is used to protect the unused AC trunk connector on site.



### AC Trunk End Cap

The AC Trunk End Cap is used to protect the port of the AC Trunk Connector and prevent water and dust at the end of AC Trunk Cable.



### AC Sub Connector Removal Tool

The AC Sub Connector Removal Tool is used to remove the Microinverter from the AC Trunk Connector.



### AC Trunk Connector Unlock Tool

The AC Trunk Connector Unlock Tool is used to remove the cover of the AC Trunk Connector for the convenience of removing and assembling the AC cable.



### PV Connector Unlock Tool

The DC Connector Unlock Tool is used to disconnect the DC connector from the PV panel and the DC input terminals on the Microinverter.



### 5m AC Extension Cable

The AC Cable is used for the connection of the Microinverter AC terminal to the European standard socket with a wire length of 5 meters. This accessory is suitable for single applications (balcony PV) scenarios in Europe.



### PV Extension Cable

In case that the Microinverter is far away from the PV panel, please use a PV Extension Cable for connection.



### PV terminal dust plug

The dust plugs are used to protect unused PV terminals on the microinvert.



### Grounding screw (M4)

The Grounding screw is for external grounding as specially required by local regulations.



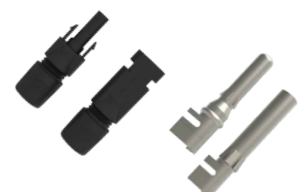
### M8/M6 mounting screws

The M8\*25 mounting screws are for securing the Microinverter onto the rack.



### PV Connector

The DC connectors are used to connect the PV panel to the DC input terminals on the Microinverter. The DC connectors and the DC input terminals on the Microinverter must be of the same brand.



## 2. Specifications

### ➤ ShineWeLink

Model	ShineWeLink
<b>General parameters</b>	
Dimensions (L*W*H mm)	90*32*8
Weight	37.9g
Power supply	5V
Power consumption	1W
Working temperature	-20°C ~ +60°C
Storage temperature	-40°C ~ +70°C
Protection grade	IP20
Relative humidity (non-condensing)	5%RH ~ 95% RH
Installation method	Plug and play
Certificates	FCC, CE, RoHS, UKCA
<b>Device management</b>	
Number of managed devices	5
Communication method	LoRa
RF wireless maximum communication distance	200m (50m when through the wall)
Internet access	Wi-Fi
<b>Wireless parameters (standard &amp; frequency band)</b>	
RF-LoRa	868/915 MHz
BLE	BLE4.2 and above, 2.4GHz
Wi-Fi	2.4GHz
<b>Application parameters</b>	
User configuration	APP configuration
Data transmission interval	5 minutes

### ➤ DC Extension Cable

Model	DC Extension Cable
<b>Cable</b>	
Cable type	PV1-F 1*4mm2
Rated current	55A
Rated voltage	1000Vdc
Cable length	1m
Ambient temperature range	-40~90°C
Product standard	2PFG 1169
<b>DC Connector</b>	
Manufacturer	Vaconn
Type	Female: PVP-D4B-CHSF0+YF-H4-CSF   Male:VP-D4B-CHSM0+YF-H4-CSM
Rated current	30A
Rated voltage	1100Vdc
Rated impulse withstand voltage	6400Vac
Over-voltage category	III
Ambient temperature range	-40~85°C
Protection rating	IP68
Flame retardant	UL 94-V0
Product standard	IEC 62852
RoHS compliant	Yes

➤ **AC Trunk Cable**

Model	AC Trunk Cable	
General parameters		
Cable type	10AWG	12AWG
Rated voltage	300V	
Cable outer diameter	12.5± 0.4mm	11.1± 0.3mm
Ambient temperature range	-40°C~+85°C	
AC Trunk Connector spacing	2m	
Number of AC Trunk Connectors per AC Trunk Cable	20T	
Single AC Trunk Cable length	43.165m	
Compliance		
Product standard	PPP 59015A:2013, ANSI/UL 6703-2021	
RoHS compliant	Yes	

➤ **AC Trunk Connector**

Model	AC Trunk Connector	
General parameters		
Pin number	2P+PE (L, N, PE)	
Rated current	30A(4 mm <sup>2</sup> /12AWG)/40A(6 mm <sup>2</sup> /10AWG)	
Rated voltage	300V	
Power frequency withstand voltage	4000V	
Contact resistance	1mΩ	
Connection Parameters		
Applicable cable specification	10/12AWG	
Applicable cable outer diameter	10-13.5mm	
Cable connection type	Screw pressing	
Sub connector connection type	Crimping	
Mechanical Data		
Ambient temperature range	-40~85°C	
Dimensions (L*W*H mm)	155*40*45.5	
Protection rating	IP68	
Flame retardant	UL94-V0	
Compliance		
Product standard	PPP 59015A:2013, ANSI/UL 6703-2021	
RoHS compliant	Yes	

➤ **Male AC Sub Connector**

Model	Male AC Sub Connector	
General parameters		
Pin number	2P+PE (L, N, PE)	
Rated current	12A(1.5mm <sup>2</sup> /16AWG)/6A(1.0mm <sup>2</sup> /18AWG)	
Rated voltage	300V	
Power frequency withstand voltage	4000V	
Connection Parameters		
Applicable cable specification	16/18AWG	
Applicable cable outer diameter	7.0-9.5mm	
Cable connection type	Screw pressing	
Mechanical Data		
Ambient temperature range	-40~85°C	
Protection rating	IP68	
Flame retardant	UL94-V0	
Compliance		
Product standard	PPP 59015A:2013, ANSI/UL 6703-2021	
RoHS compliant	Yes	

### 3. Purchase Information

#### ShineWeLink

Type	Model	Description
ShineWeLink	ShineWeLink	ShineWeLink *1 (supports up to 5 Microinverters)
	AC/DC Power Adapter	AC/DC Power Adapter *1 (delivered with ShineWeLink)

#### AC accessories

Type	Model	Description
AC Trunk Cable	AC Trunk Cable_20T_20L_12AWG-2m	AC Trunk Connector *20 AC Cables (Cable Length: 2m, 12AWG) *20
	AC Trunk Cable_20T_20L_10AWG-2m	AC Trunk Connector *20 AC Cables (Cable Length: 2m, 10AWG) *20
AC Trunk Connector	BC05A-ML3-40A	AC Trunk Connector *1
AC Sub Connector Removal Tool	MLBLRTOL	AC Sub Connector Removal Tool *1
AC Trunk Connector Unlock Tool	MBCRTOL	AC Trunk Connector Unlock Tool *1
AC Trunk End Cap	MLECOV	AC Trunk End Cap *1
AC Trunk Port Cap	MLPCOVW	AC Trunk Port Cap *1
Male AC Sub Connector	BC05A-BR3M	Male AC Sub Connector *1

#### DC accessories

Type	Model	Description
DC Connector (+)	VP-D4 B-CHSF0	Female DC Connector *4
	YF-H4-CSF	
DC Connector (-)	VP-D4 B-CHSM0	Male DC Connector *4
	YF-H4-CSM	
DC Connector Unlock Tool	YF-H4-TW	DC Connector Unlock Tool *1
PV Extension Cable	PV Extension Cable (1m)	Male DC Connector *1 DC Cable (Cable length: 1m) *1 Female DC Connector *1

### 5. Service and contact

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