

1. Accessory introduction

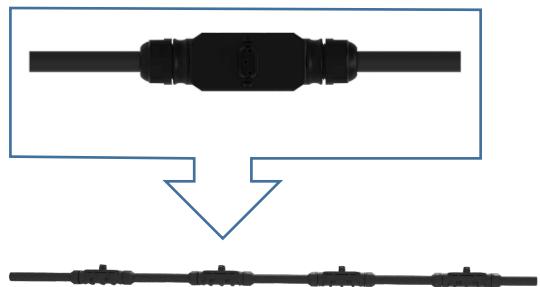
ShineWeLink (with an AC/DC Power Adapter)

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 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.



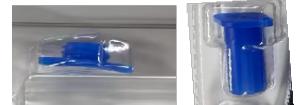
PV Extension Cable

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.



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.



M8/M6 mounting screws

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



2. Specifications

➤ ShineWeLink

| Model | ShineWeLink |
|---|----------------------------------|
| General parameters | |
| 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 |
| Device management | |
| Number of managed devices | 5 |
| Communication method | LoRa |
| RF wireless maximum communication distance | 200m (50m when through the wall) |
| Internet access | Wi-Fi |
| Wireless parameters (standard & frequency band) | |
| RF-LoRa | 868/915 MHz |
| BLE | BLE4.2 and above, 2.4GHz |
| Wi-Fi | 2.4GHz |
| Application parameters | |
| User configuration | APP configuration |
| Data transmission interval | 5 minutes |

➤ DC Extension Cable

| Model | DC Extension Cable | |
|---------------------------------|---------------------------------|------------------------------|
| Cable | | |
| 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 | |
| DC Connector | | |
| 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 ² /12AWG)/40A(6 mm ² /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 ² /16AWG)/6A(1.0mm ² /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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