



This document gives an overview of taylor. compatible inverters, and the procedure on how to connect the inverter to the taylor.gateway.



**Important** The actions described in this manual should only be executed by trained professionals. Use this manual in combination with the inverter manual received with your inverter.

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# 01 Compatible inverters

The inverters below are compatible with a taylor. system. View the references on how to connect them.

**taylor. (produced by Fox ESS)**  
(page 4-6)

**taylor. H1 series**

- TAY-H1-3.0-E
- TAY-H1-3.7-E
- TAY-H1-4.6-E
- TAY-H1-5.0-E
- TAY-H1-6.0-E

**taylor. H1 (G2) series**

- TAY-H1-3.0-E-G2
- TAY-H1-3.7-E-G2
- TAY-H1-4.6-E-G2
- TAY-H1-5.0-E-G2
- TAY-H1-6.0-E-G2

**taylor. H3 series**

- TAY-H3-5.0-E
- TAY-H3-6.0-E
- TAY-H3-8.0-E
- TAY-H3-10.0-E
- TAY-H3-12.0-E

**taylor. H3 Pro series**

- TAY-H3-Pro-15.0
- TAY-H3-Pro-20.0
- TAY-H3-Pro-25.0
- TAY-H3-Pro-30.0

*Other manufacturers*

**AEG** (page 7)

**AEG AS-IC02**

- AEG AS-IC02-4000-2
- AEG AS-IC02-5000-2
- AEG AS-IC02-6000-2
- AEG AS-IC02-8000-2
- AEG AS-IC02-10000-2
- AEG AS-IC02-12000-2
- AEG AS-IC02-15000-2

**AEG AS-IR02**

- AEG AS-IR02-700
- AEG AS-IR02-1000
- AEG AS-IR02-1500
- AEG AS-IR02-2000
- AEG AS-IR02-2500
- AEG AS-IR02-3000

**Fox ESS** (page 8-11)

**Fox ESS H1 series**

- Fox ESS H1-3.0-E

- Fox ESS H1-3.7-E
- Fox ESS H1-4.6-E
- Fox ESS H1-5.0-E
- Fox ESS H1-6.0-E

**Fox ESS H1 (G2) series**

- Fox ESS H1-3.0-E-G2
- Fox ESS H1-3.7-E-G2
- Fox ESS H1-4.6-E-G2
- Fox ESS H1-5.0-E-G2
- Fox ESS H1-6.0-E-G2

**Fox ESS H3 series**

- Fox ESS H3-5.0-E
- Fox ESS H3-6.0-E
- Fox ESS H3-8.0-E
- Fox ESS H3-10.0-E
- Fox ESS H3-12.0-E

**Fox ESS H3 Pro series**

- Fox ESS H3-Pro-15.0
- Fox ESS H3-Pro-20.0
- Fox ESS H3-Pro-25.0
- Fox ESS H3-Pro-30.0

**Fox ESS S series - G2**

- Fox ESS SG2 S700-G2
- Fox ESS SG2 S1000-G2
- Fox ESS SG2 S1500-G2
- Fox ESS SG2 S2000-G2
- Fox ESS SG2 S2500-G2
- Fox ESS SG2 S3000-G2
- Fox ESS SG2 S3300-G2

**Fox ESS T series - G3**

- Fox ESS TG3 T3-G3
- Fox ESS TG3 T4-G3
- Fox ESS TG3 T5-G3
- Fox ESS TG3 T6-G3
- Fox ESS TG3 T8-G3
- Fox ESS TG3 T10-G3
- Fox ESS TG3 T12-G3
- Fox ESS TG3 T15-G3
- Fox ESS TG3 T17-G3
- Fox ESS TG3 T20-G3
- Fox ESS TG3 T23-G3
- Fox ESS TG3 T25-G3

**Goodwe** (page 12-14)

**Goodwe DNS D-NS**

- Goodwe DNS GW3000D-NS
- Goodwe DNS GW3600D-NS
- Goodwe DNS GW4200D-NS
- Goodwe DNS GW5000D-NS
- Goodwe DNS GW6000D-NS

**Goodwe DNS T-DS**

- Goodwe DNS GW3000T-DS
- Goodwe DNS GW3600T-DS
- Goodwe DNS GW4200T-DS
- Goodwe DNS GW5000T-DS
- Goodwe DNS GW6000T-DS

**Goodwe SDT G2 Plus**

- Goodwe GW4000-SDT-20
- Goodwe GW5000-SDT-20
- Goodwe GW6000-SDT-20
- Goodwe GW8000-SDT-20
- Goodwe GW10K-SDT-20
- Goodwe GW12K-SDT-20
- Goodwe GW15K-SDT-20

**Goodwe XS**

- Goodwe XS GW700-XS
- Goodwe XS GW1000-XS
- Goodwe XS GW1500-XS
- Goodwe XS GW2000-XS
- Goodwe XS GW2500-XS
- Goodwe XS GW3000-XS

**Solis** (page 15)

**Solis Mini S5-GR1P(0.7-3.6)K-M**

- Solis S5-GR1P0.7K-M
- Solis S5-GR1P1K-M
- Solis S5-GR1P1.5K-M
- Solis S5-GR1P2K-M
- Solis S5-GR1P2.5K-M
- Solis S5-GR1P3K-M
- Solis S5-GR1P3.6K-M

**Solis Mini S6-GR1P(0.7-3.6)K-M**

- Solis S6-GR1P 0.7K-M
- Solis S6-GR1P 1K-M
- Solis S6-GR1P 1.5K-M
- Solis S6-GR1P 2K-M
- Solis S6-GR1P 2.5K-M
- Solis S6-GR1P 3K-M
- Solis S6-GR1P 3.6K-M

**Solis S5-EH1P(3.6-6)K-L**

- Solis S5-EH1P3.6K-L
- Solis S5-EH1P3K-L
- Solis S5-EH1P4.6K-L
- Solis S5-EH1P5K-L
- Solis S5-EH1P6K-L

**Solis S5-GC(25-40)K**

- Solis S5-GC 25K
- Solis S5-GC 30K
- Solis S5-GC 33K
- Solis S5-GC 36K

**Solis S5-GC 40K**

**Solis S5-GR1P(2.5-6)K**

- Solis S5-GR1P 2.5K
- Solis S5-GR1P 3K
- Solis S5-GR1P 3.6K
- Solis S5-GR1P 4K
- Solis S5-GR1P 4.6K
- Solis S5-GR1P 5K
- Solis S5-GR1P 6K

**Solis S5-GR3P(3-25)K**

- Solis S5-GR3P3K
- Solis S5-GR3P4K
- Solis S5-GR3P5K
- Solis S5-GR3P6K
- Solis S5-GR3P8K
- Solis S5-GR3P9K
- Solis S5-GR3P10K
- Solis S5-GR3P12K
- Solis S5-GR3P13K
- Solis S5-GR3P15K
- Solis S5-GR3P17K
- Solis S5-GR3P20K

**Solis S6-GR1P(2.5-6)K**

- Solis S6-GR1P 2.5K
- Solis S6-GR1P 3K
- Solis S6-GR1P 3.6K
- Solis S6-GR1P 4K
- Solis S6-GR1P 4.6K
- Solis S6-GR1P 5K
- Solis S6-GR1P 6K

**Solis S6-GR1P(7-8)K2**

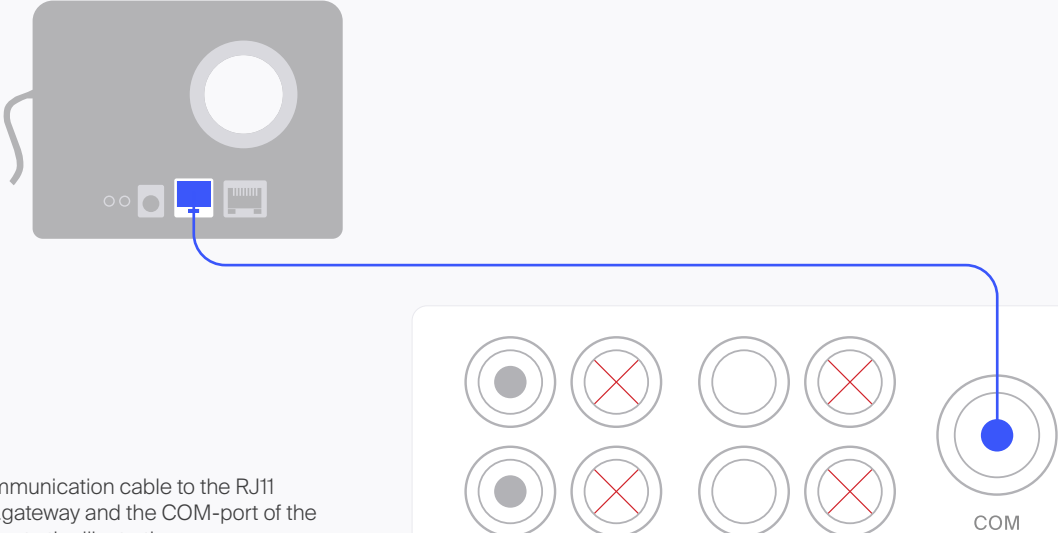
- Solis S6-GR1P 7K2
- Solis S6-GR1P 8K2

**Solis 3P(3-20)K-4G**


- Solis 3P3K-4G
- Solis 3P4K-4G
- Solis 3P5K-4G
- Solis 3P6K-4G
- Solis 3P8K-4G
- Solis 3P9K-4G
- Solis 3P10K-4G
- Solis 3P12K-4G
- Solis 3P15K-4G
- Solis 3P17K-4G
- Solis 3P20K-4G

## 02 Inverter to gateway connection

Between the gateway and the inverter a communication cable needs to be connected.



Connect the communication cable to the RJ11 port of the taylor.gateway and the COM-port of the inverter, according to the illustration.



**Important** Do not turn the inverter on or off in case the Gateway is powered on.

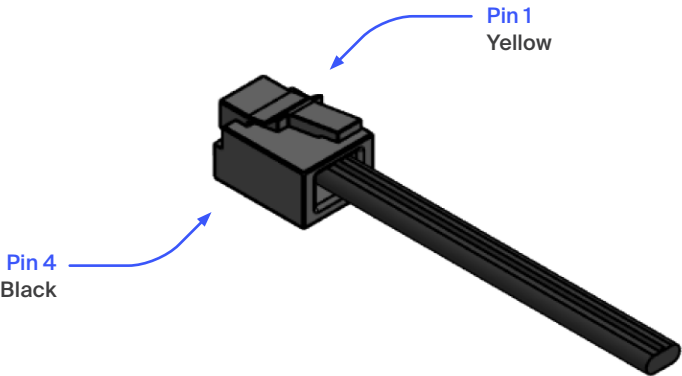
DC1DC2DC1DC2COM


MPPT 1MPPT 2

### Gateway RJ11 connector

On one side, the cable is connected to the gateway using a RJ11 connector, the other side is connected to the inverter. The cable can be ordered, or assembled by the installer. If done by the installer himself/herself, make sure the RJ11 connector pin out is as depicted on the right, using the instructions below.

RJ11 PIN	Wire colour	Function
1	Yellow	N/A
2	Green	RS485-
3	Red	RS485+
4	Black	GND





**Important** Note that the pin out color code is different compared to standard RJ11 pin out.

# 03.1 taylor.inverters instructions

## taylor. H1 / H1 (G2) series (produced by Fox ESS)

### Necessary items

#### A. Data cable

Part number: TAYLOR-GTW-C-H1-EC.

Data cable for installation with energy meter available. Part number: TAYLOR-GTW-C-H1-E

### Instructions

#### 01.

Connect the current transducer to connector (A):

- Current transducer red wire > pin 1 on connector (A)
- Current transducer black wire > pin 2 on connector (A)



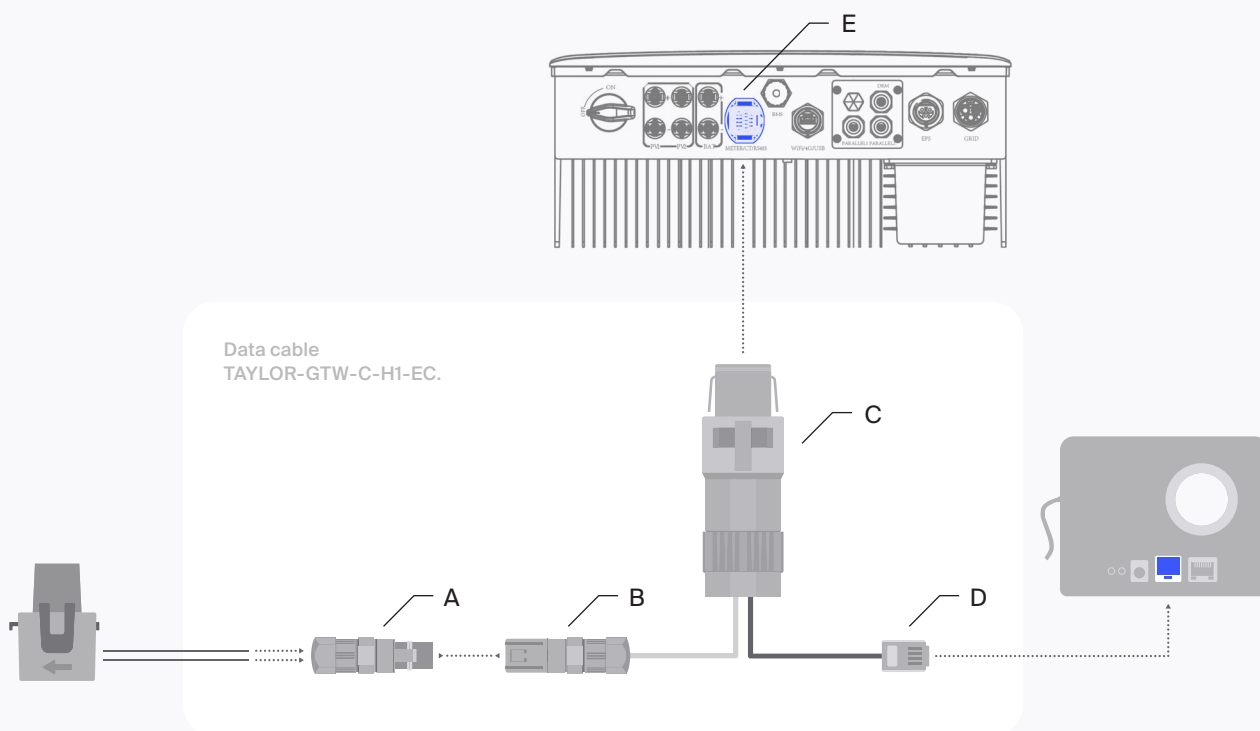
**Important** The current transducer should have the arrow pointing towards the grid, otherwise the import/export values will not be valid. Refer to inverter technical documentation.

#### 02.

Connect connector (A) and connector (B) to complete the data cable.

#### 03.

Connect connector (C) to port (E) of the inverter and the RJ11 connector (D) to the gateway data port.



# 03.1 taylor.inverters instructions

## taylor. H3 series (produced by Fox ESS)

### Necessary items

#### A. Data cable

Part number: TAYLOR-GTW-C-H3-E.

### Instructions

#### 01.

Connect the energy meter to connector (A):

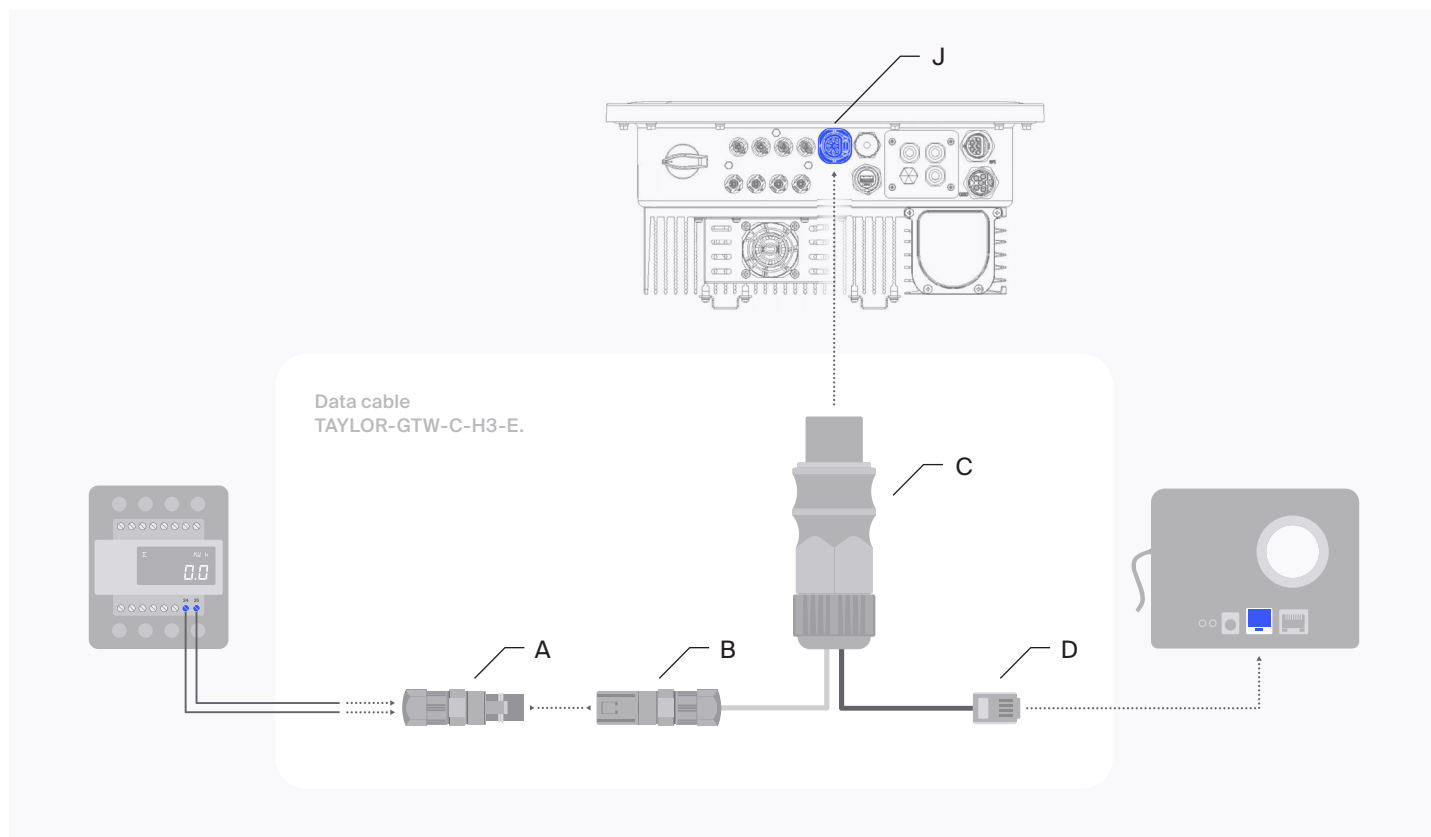
- Pin 24 on energy meter > pin 1 on connector (A)
- Pin 25 on energy meter > pin 2 on connector (A)

#### 02.

Connect connector (A) and connector (B) to complete the data cable.

#### 03.

Connect connector (C) to port (J) of the inverter and the RJ11 connector (D) to the gateway data port.



# 03.1 taylor.inverters instructions

## taylor. H3 Pro series (produced by Fox ESS)

### Necessary items

#### A. Data cable

Part number: TAYLOR-GTW-C-H3-EP.

### Instructions

#### 01.

Connect the energy meter to connector (A):

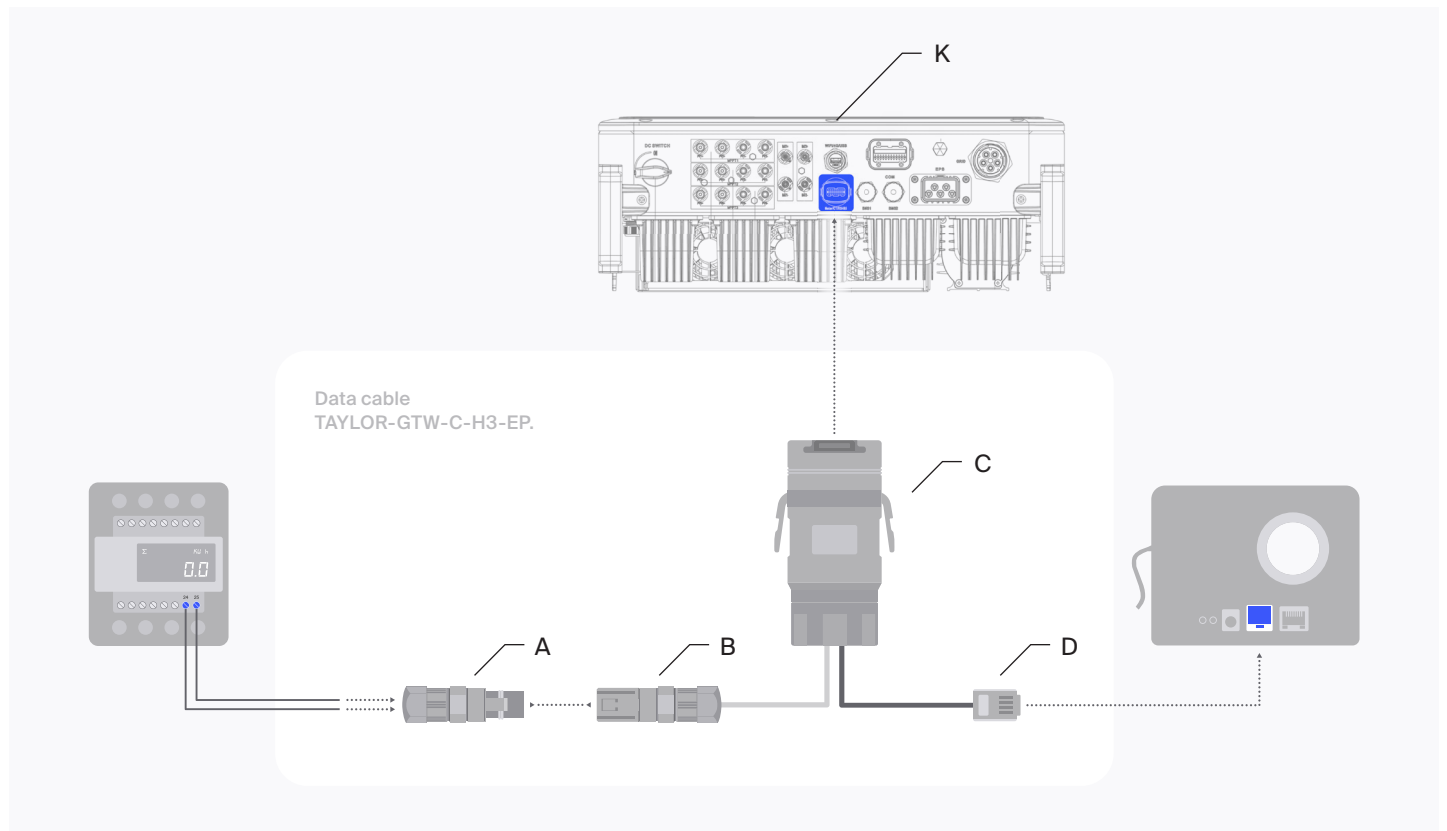
- Pin 24 on energy meter > pin 1 on connector (A)
- Pin 25 on energy meter > pin 2 on connector (A)

#### 02.

Connect connector (A) and connector (B) to complete the data cable.

#### 03.

Connect connector (C) to port (K) of the inverter and the RJ11 connector (D) to the gateway data port.



# 03.2 AEG inverters instructions

## AEG AS-IC02 & AS-IR02

- Necessary items
- A. Data cable

Part number: TAYLOR-GTW-C-03.  
Order separately from the gateway.

B. Communication Connector

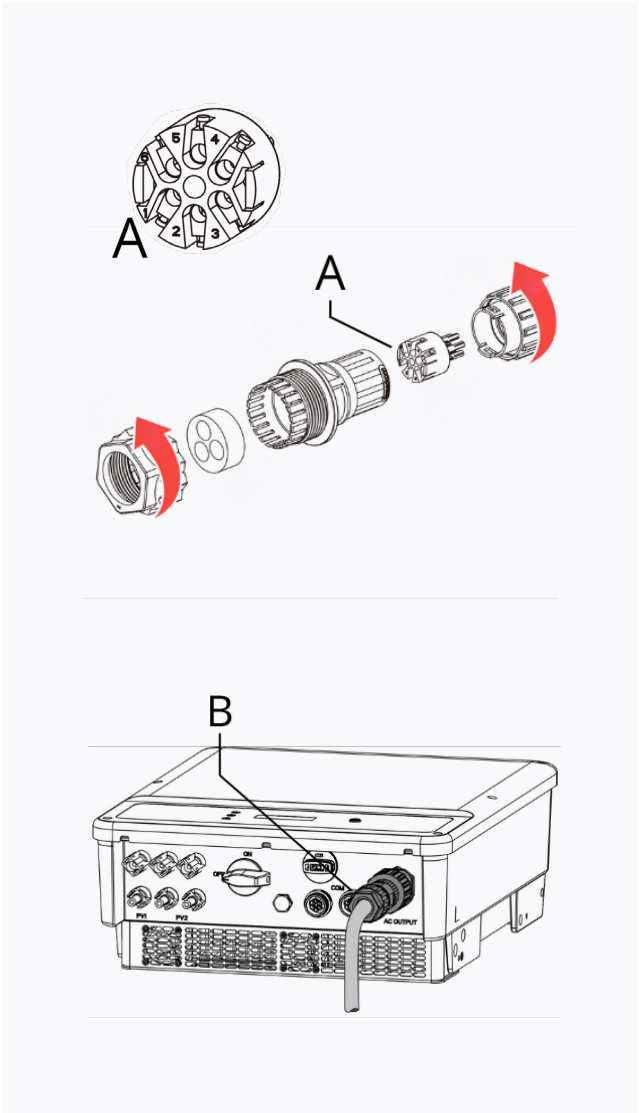
Delivered with the inverter.

### Instructions

01.
- Route the taylor data cable through the cable gland (A)
02.
- Connect the data cable to part A, refer to the table:

Wire	Wire colour	Connect to pin
	Yellow	Not connected
-	Green	1
+	Red	3
	Black	Not connected

03.
- Assemble the connector.
04.
- Connect the data cable to the COM port (B).



## 03.3 Fox ESS inverters instructions

### Fox ESS H1 / H1 (G2) series

#### Necessary items

##### A. Data cable

Part number: TAYLOR-GTW-C-H1-EC.  
Order separately from the gateway.

Data cable for installation with energy meter available. Part number: TAYLOR-GTW-C-H1-E

#### Instructions

##### 01.

Connect the current transducer to connector (A):

- Current transducer red wire > pin 1 on connector (A)
- Current transducer black wire > pin 2 on connector (A)



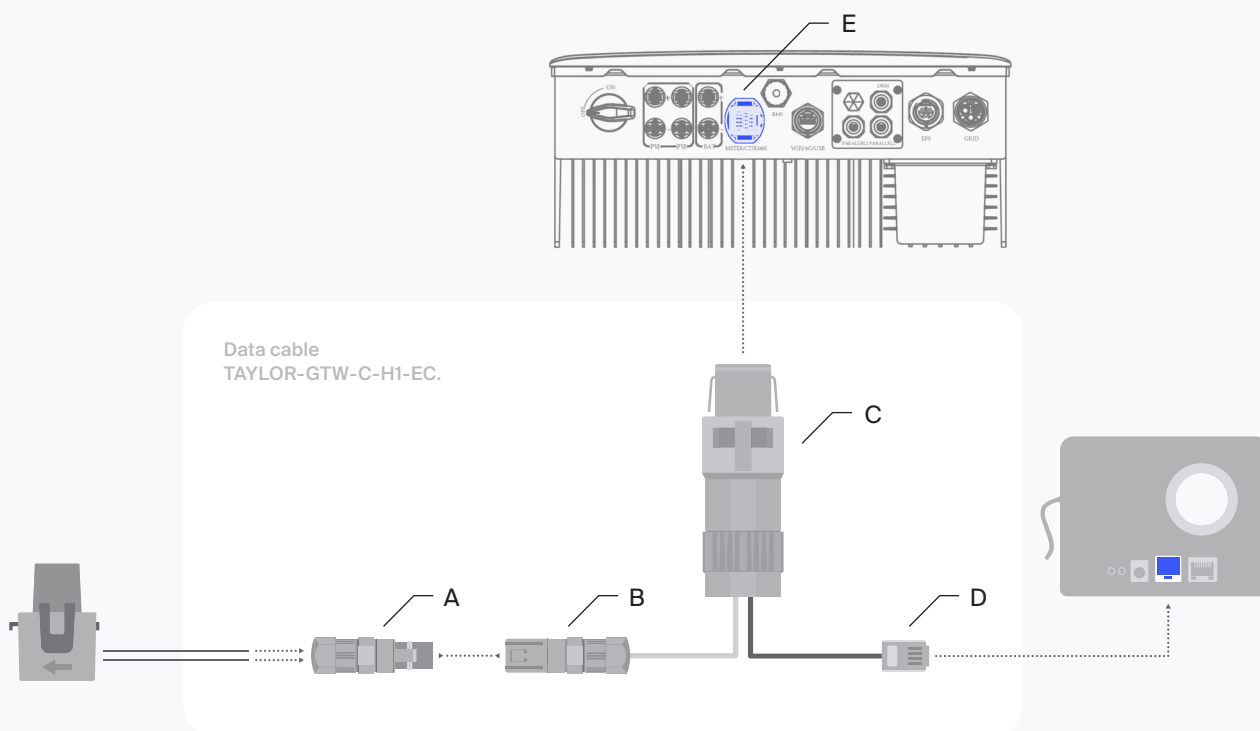
**Important** The current transducer should have the arrow pointing towards the grid, otherwise the import/export values will not be valid. Refer to inverter technical documentation.

##### 02.

Connect connector (A) and connector (B) to complete the data cable.

##### 03.

Connect connector (C) to port (E) of the inverter and the RJ11 connector (D) to the gateway data port.





## 03.3 Fox ESS inverters instructions

### Fox ESS H3 series

#### Necessary items

##### A. Data cable

Part number: TAYLOR-GTW-C-H3-E.  
Order separately from the gateway.

#### Instructions

##### 01.

Connect the energy meter to connector (A):

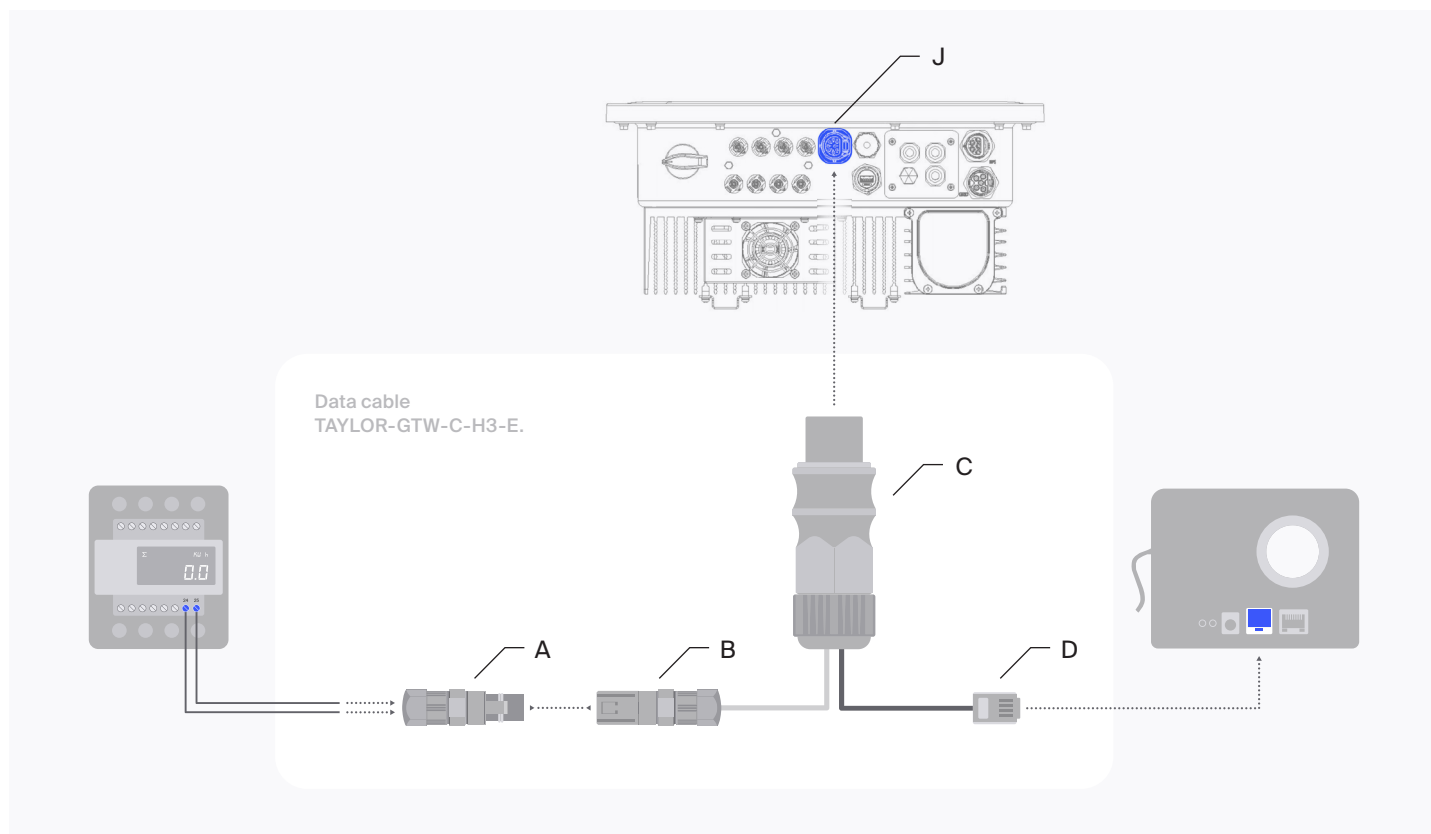
- Pin 24 on energy meter > pin 1 on connector (A)
- Pin 25 on energy meter > pin 2 on connector (A)

##### 02.

Connect connector (A) and connector (B) to complete the data cable.

##### 03.

Connect connector (C) to port (J) of the inverter and the RJ11 connector (D) to the gateway data port.



## 03.3 Fox ESS inverters instructions

### Fox ESS H3 Pro series

#### Necessary items

##### A. Data cable

Part number: TAYLOR-GTW-C-H3-EP.  
Order separately from the gateway.

#### Instructions

##### 01.

Connect the energy meter to connector (A):

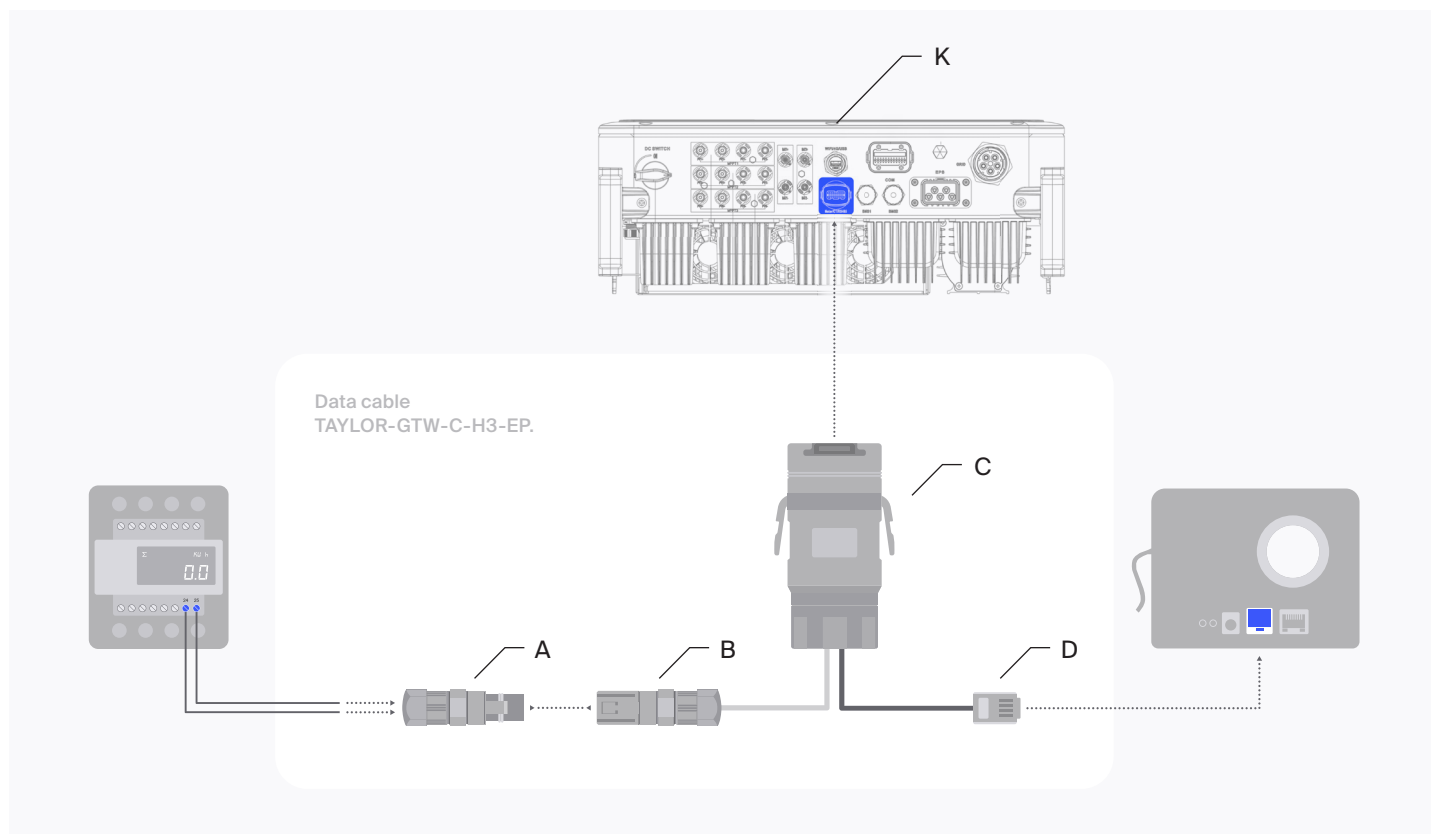
- Pin 24 on energy meter > pin 1 on connector (A)
- Pin 25 on energy meter > pin 2 on connector (A)

##### 02.

Connect connector (A) and connector (B) to complete the data cable.

##### 03.

Connect connector (C) to port (K) of the inverter and the RJ11 connector (D) to the gateway data port.



# 03.3 Fox ESS inverters instructions

## Fox ESS S series - G2

Necessary items

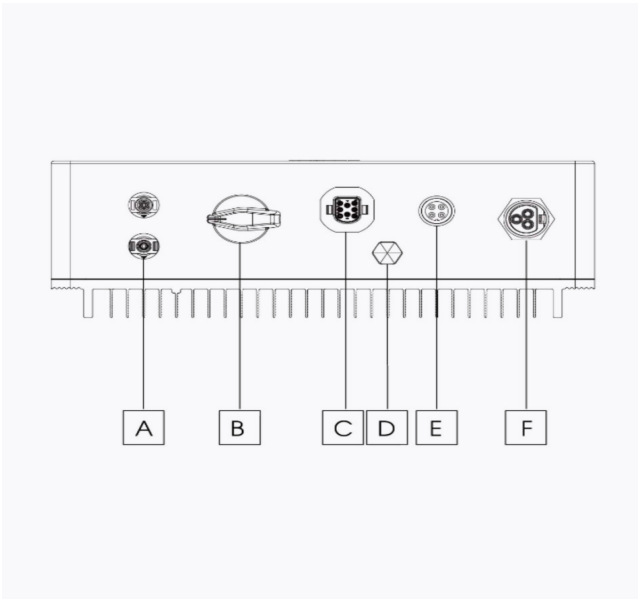
A. Data cable  
Part number: TAYLOR-GTW-C-F-S-G2.  
Order separately from the gateway.

### Instructions

01.
- Connect the plug to connection (C).

!

**Important** Make sure the firmware of the inverter is updated to version 1.24/0.14/A32 or higher. Please contact [taylor.support](mailto:taylor.support) for help with firmware updates.



## Fox ESS T series - G3

Necessary items

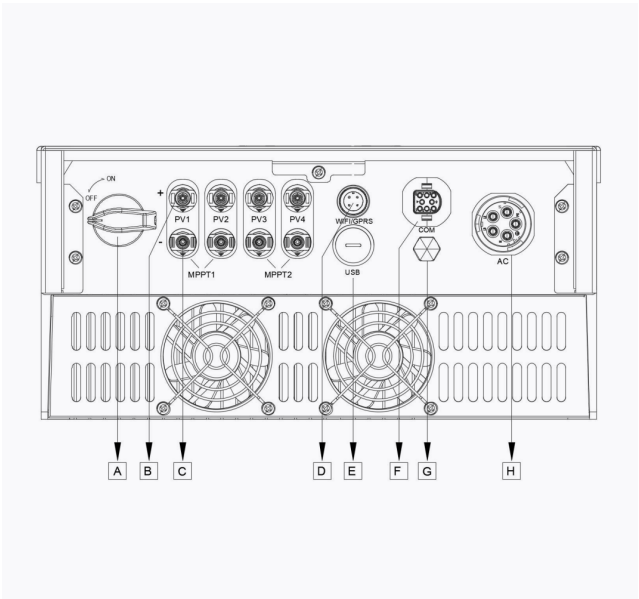
A. Data cable  
Part number: TAYLOR-GTW-C-F-T-G3-0.  
Order separately from the gateway.

### Instructions

01.
- Connect the plug to connection (F).

!

**Important** Make sure the firmware of the inverter is updated to version 1.19/1.00/1.14 or higher. Please contact [taylor.support](mailto:taylor.support) for help with firmware updates.



# 03.4 Goodwe inverters instructions

## Goodwe DNS

DNS G3 is not compatible yet

- Necessary items
- A. Data cable

Part number: TAYLOR-GTW-C-03.

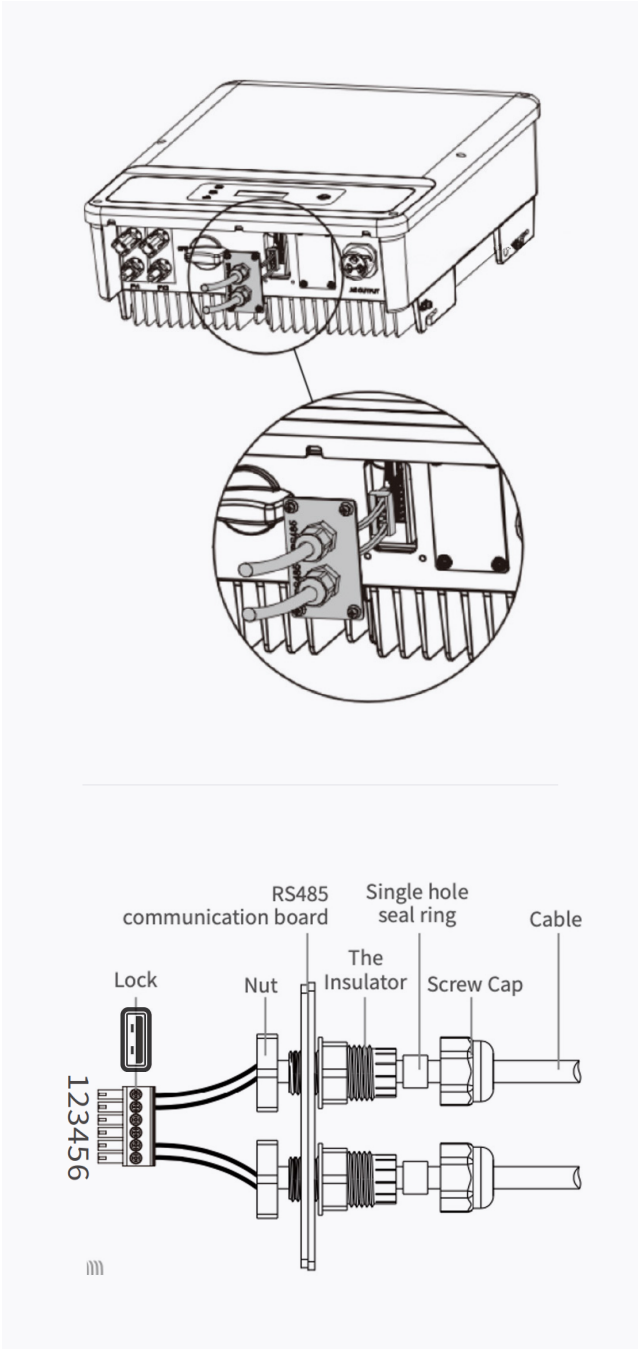
Order separately from the gateway.

### Instructions

01.
- Demount the RS485 board from the inverter.
02.
- Pull the cable through the screwcap & RS485 board.
03.
- Connect it onto the lock - using the table below.

Wire	Wire colour	Connect to pin
	Yellow	Not connected
-	Green	2
+	Red	1
	Black	Not connected

04.
- Mount the RS485 board back as depicted on the right.



# 03.4 Goodwe inverters instructions

## Goodwe SDT G2 Plus

Necessary items

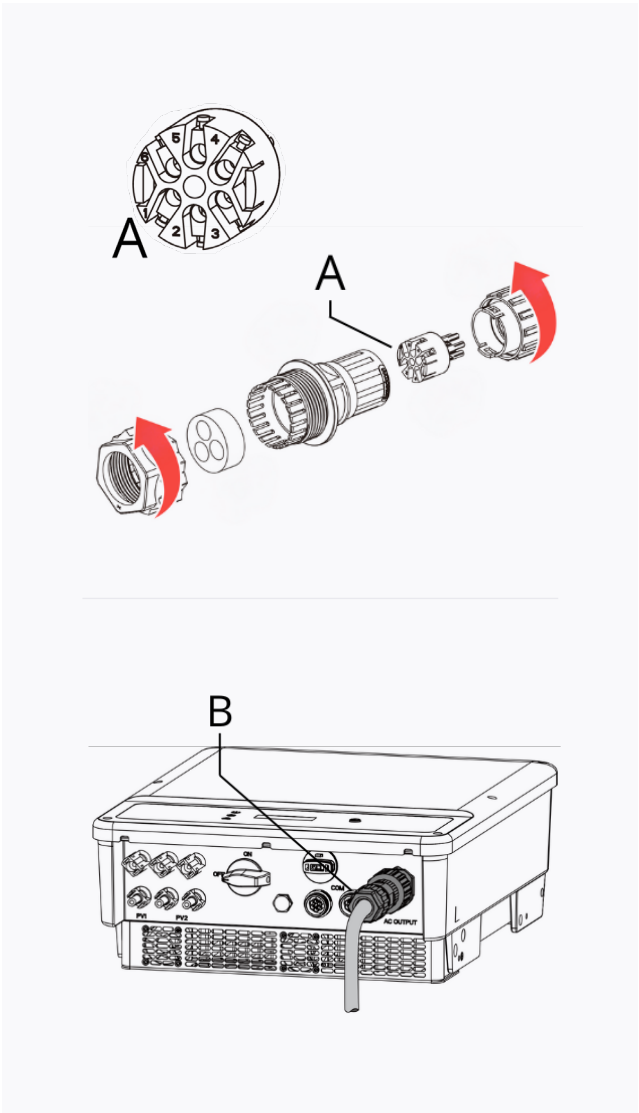
- A. Data cable**  
*Part number: TAYLOR-GTW-C-03.  
Order separately from the gateway.*
- B. Communication Connector**  
*Delivered with the inverter.*

Instructions

01.  
Route the taylor data cable through the cable gland (A)
02.  
Connect the data cable to part A, refer to the table:

Wire	Wire colour	Connect to pin
	Yellow	Not connected
-	Green	1
+	Red	3
	Black	Not connected

03.  
Assemble the connector.
04.  
Connect the data cable to the COM port (B).



# 03.4 Goodwe inverters instructions

## Goodwe XS

- Necessary items
- A. Data cable

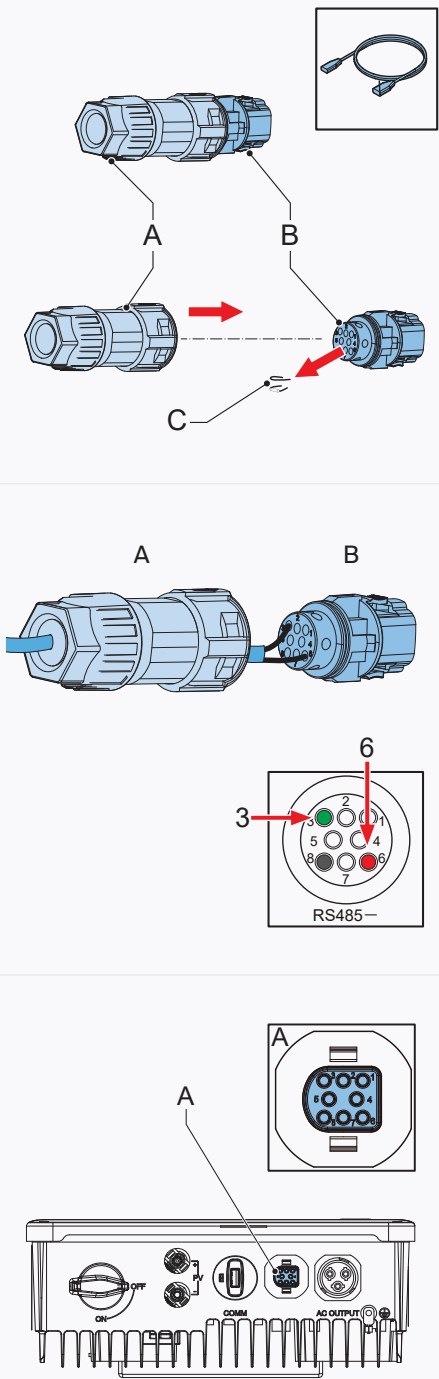
Part number: TAYLOR-GTW-C-03.  
Order separately from the gateway.

B. RS-485 Connector

Delivered with the inverter.

### Instructions

01.
- Disassemble the connector (A)(B).
02.
- Remove the resistor (C).
03.
- Route the taylor data cable through the cable gland (A)
04.
- Connect the data cable to part B, refer to the table:
- | Wire | Wire colour | Connect to pin |
|------|-------------|----------------|
|      | Yellow      | Not connected  |
| -    | Green       | 3              |
| +    | Red         | 6              |
|      | Black       | Not connected  |
05.
- Assemble the connector.
06.
- Connect the plug to connection (A).



# 03.5 Solis inverters instructions

## Solis

- Necessary items
- A. Data cable

Part number: TAYLOR-GTW-C-SL-02.

Order separately from the gateway.

### Instructions

01.
- Connect the plug to connection (A).

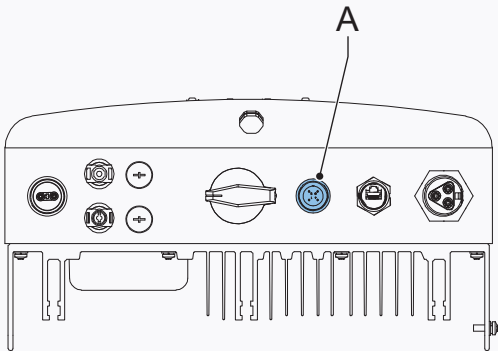


Image for reference. For exact installation instructions, always refer to inverter technical documentation.

Model pictured: Solis Mini S5-GR1P(0.7-3.6)K-M

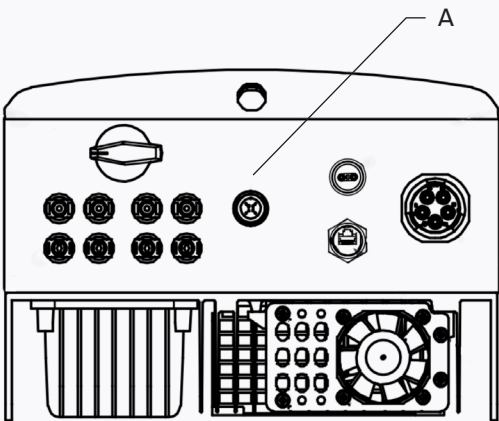


Image for reference. For exact installation instructions, always refer to inverter technical documentation.

Model pictured: Solis 3P(3-20)K-4G

# 04 List of data cables

name	IPN
Data cable for taylor. (waterproof) gateway	TAYLOR-GTW-C-WP-03
Data cable for taylor.gateway	TAYLOR-GTW-C-03
Fox ESS data cable for taylor.gateway - H1 / H1 (G2)	TAYLOR-GTW-C-H1-EC
Fox ESS data cable for taylor.gateway - H3	TAYLOR-GTW-C-H3-E
<i>Fox ESS data cable for taylor.gateway - H3 Pro</i>	<i>TAYLOR-GTW-C-H3-EP *</i>
Fox ESS data cable for taylor.gateway - S-G2	TAYLOR-GTW-C-F-S-G2
Fox ESS data cable for taylor.gateway - T-G3-0	TAYLOR-GTW-C-F-T-G3-0
GoodWe data cable for taylor.gateway - SDT series	TAYLOR-GTW-C-G-00
Solis data cable for taylor.gateway	TAYLOR-GTW-C-SL-02
<i>Any other inverter</i>	<i>please contact your taylor. sales representative</i>

\* pending future release



# taylor.

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