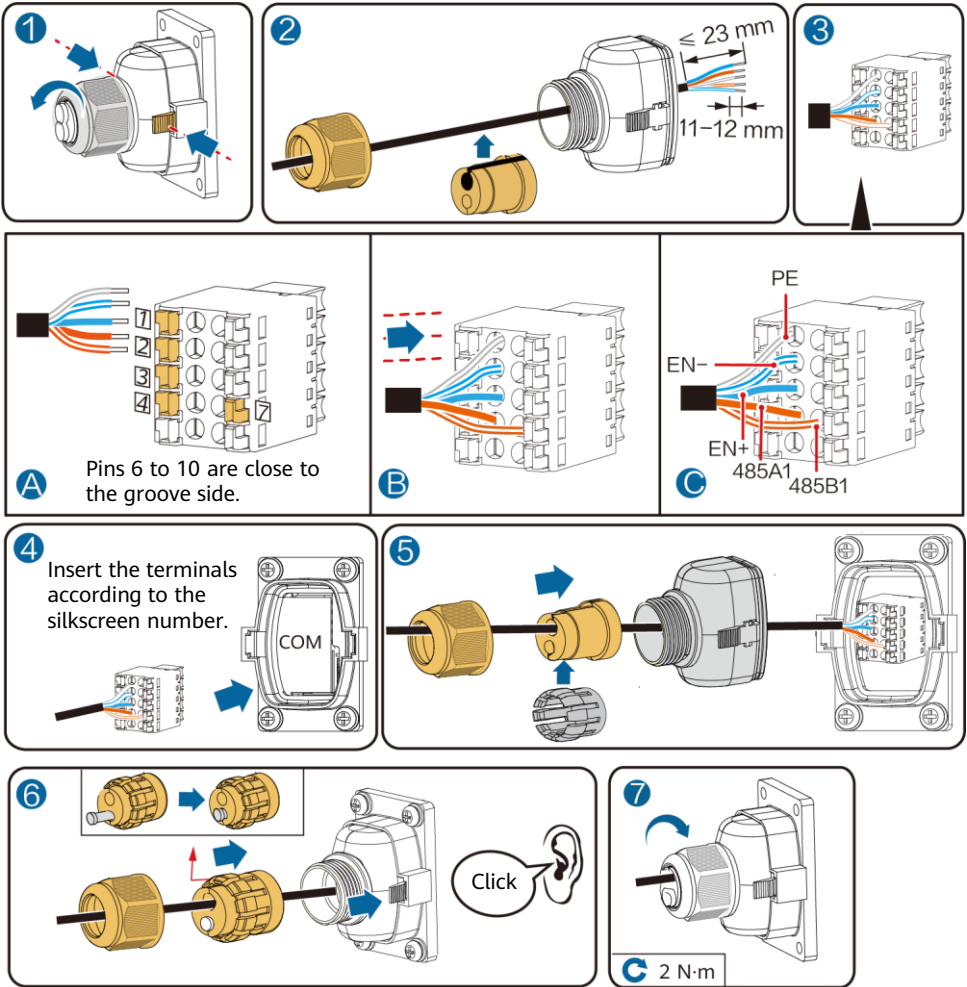


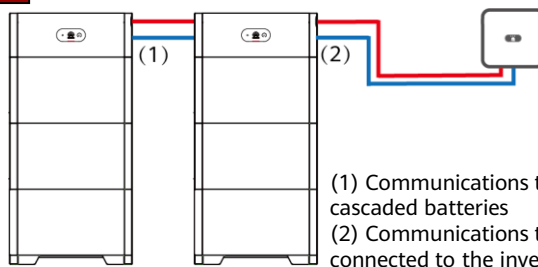
Connecting the Communications Terminal to the Inverter



IB01140002

4.6 (Optional) Cable Connections in Cascading Scenarios

Cascading Networking



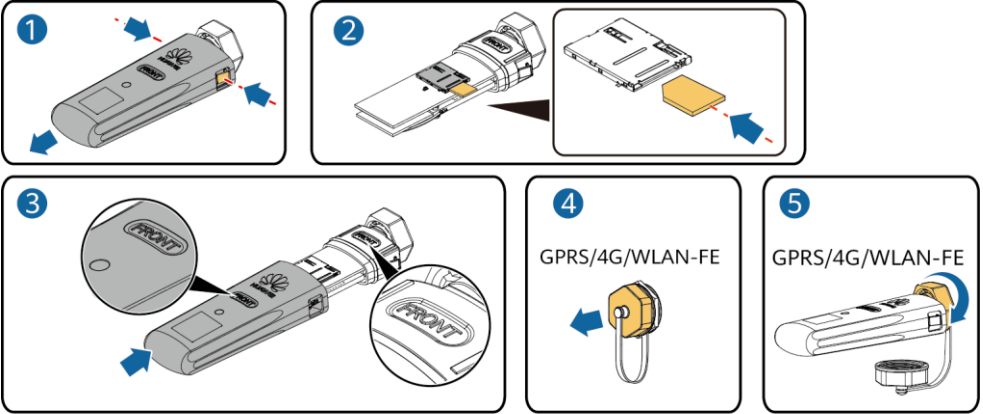
IB01W00009

— Signal cable — DC input cable

(Optional) 4G Smart Dongle (4G Communication)

NOTICE

- If your Smart Dongle is not equipped with a SIM card, prepare a standard SIM card (size: 25 mm x 15 mm) with the capacity greater than or equal to 64 KB.
- Install the SIM card in the arrow direction.
- When reinstalling the cover of the Smart Dongle, ensure that the buckle springs back in place (you can hear a click).



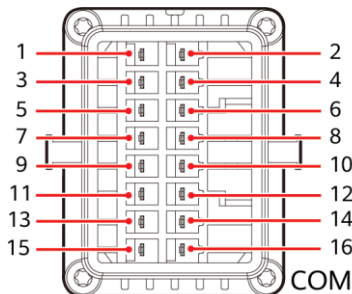
IS10H00016

3.7 (Optional) Installing the Signal Cable

NOTICE

- Not all inverter models are delivered with the signal cable connector.
- When laying out the signal cable, separate it from the power cable and keep it away from strong interference sources to avoid strong communication interference.
- Ensure that the protection layer of the cable is inside the connector, surplus core wires are cut off from the protection layer, the exposed core wire is totally inserted into the cable hole, and that the cable is connected securely.
- If the Smart Dongle is configured, you are advised to install the Smart Dongle before connecting the signal cable.

Communications Port Pin Definition



IS10W00002

 NOTE

- When the RS485 communications cables of devices such as the Smart Power Sensor and the energy storage device are both connected to the inverter, 485A2 (pin 7), 485B2 (pin 9), and PE (pin 5) are shared.
- When the enable signal cable of the energy storage device and the signal cable of the rapid shutdown switch are both connected to the inverter, GND (pin 13) is shared.

Pin	Definition	Function	Description	Pin	Definition	Function	Description
1	485A1-1	RS485A, RS485 differential signal+	Used to cascade inverters or connect to the RS485 signal port on the SmartLogger	2	485A1-2	RS485A, RS485 differential signal+	Used to cascade inverters or connect to the RS485 signal port on the SmartLogger
3	485B1-1	RS485B, RS485 differential signal-		4	485B1-2	RS485B, RS485 differential signal-	
5	PE Luna-1	Shielding ground	N/A	6	PE	Shielding ground	N/A
7	485A2 Luna-4	RS485A, RS485 differential signal+	Used to connect to the RS485 signal port on devices such as the Smart Power Sensor and the energy storage device	8	DIN1	Digital input signal 1+	Used to connect to dry contacts for grid scheduling and used as a reserved port for feedback signals of the Smart Backup box
9	485B2 LUNA-7	RS485B, RS485 differential signal-					
10			Used to connect to the enable signal port on an energy storage device	10	DIN2	Digital input signal 2+	Dry contact for grid scheduling
				12	DIN3	Digital input signal 3+	
11	EN LUNA-3	Enabling signal		14	DIN4	Digital input signal 4+	
13	GND Luna-2	GND	Used to connect to the rapid shutdown DI signal port or served as a reserved port for the signal cable of the NS protection.	16	GND	GND of DIN1/DIN2/DIN3/DIN4	Used to connect to the GND of DIN1/DIN2/DIN3/DIN4
15	DIN5	Rapid shutdown signal+					