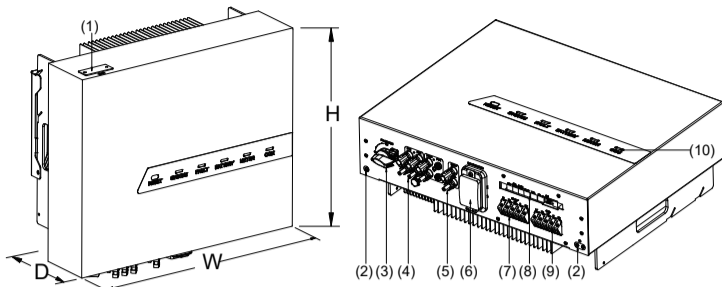


QUICK INSTALLATION GUIDE

SMILE-T10-HV-INV/SMILE-T6-HV-INV

01 Product Overview

- (1). Wi-Fi Port
- (2). Grounding
- (3). INV PV Switch
- (4). INV PV Connectors
- (5). Battery Power Connectors
- (6). Battery Breaker
- (7). Backup Connector
- (8). Communication Ports
- (9). Grid Connector
- (10). Inverter LED Display



Dimension(W×H×D):580×475×230mm

02 Packing List

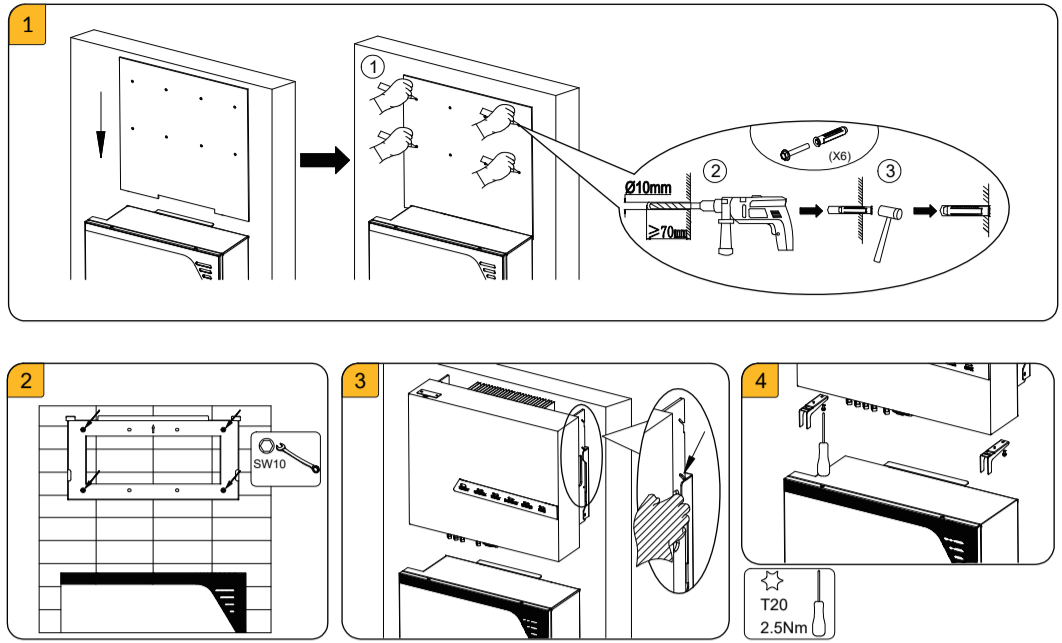
(X1)	(X1)	(X2)	(X1)	(X1)	(X3)
(X3)	(X1)	(X11)	(X1)	(X1)	(X1)
(X2)	M5*12(X2)	(X1)	(X4)	(X1)	NA

03 Installation Tools

T20×150mm	1.2×75mm		

01

04 Mount the Inverter



05 Electrical Connections

⚠ RISK OF ELECTRIC SHOCK

Before doing electrical connection, please ensure the PV switch & all AC and BAT circuit breakers are switched OFF and cannot be reactivated.

⚠ DANGER

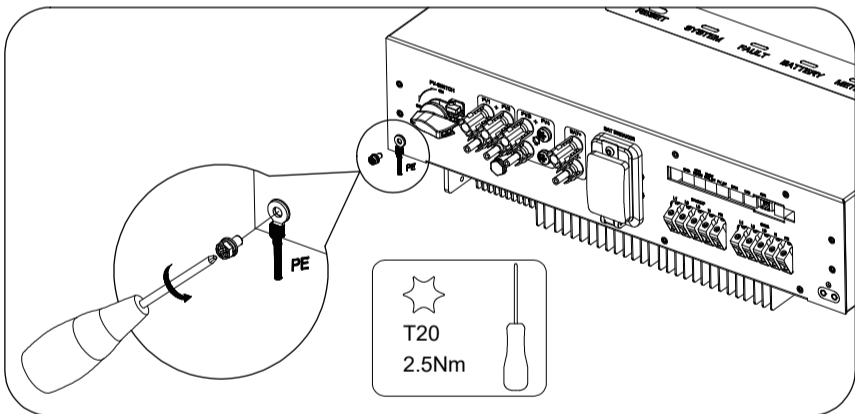
You must protect each inverter with an individual grid/backup circuit breaker in order to ensure that the inverter can be disconnected safely.

Description	Breaker Specification
Grid Side	32A
Backup Side	20A

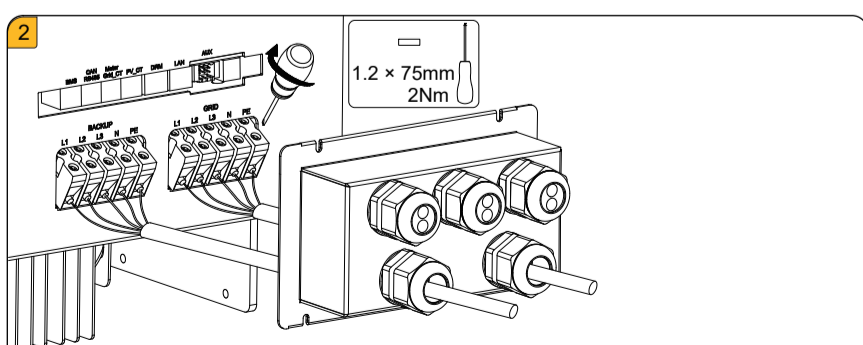
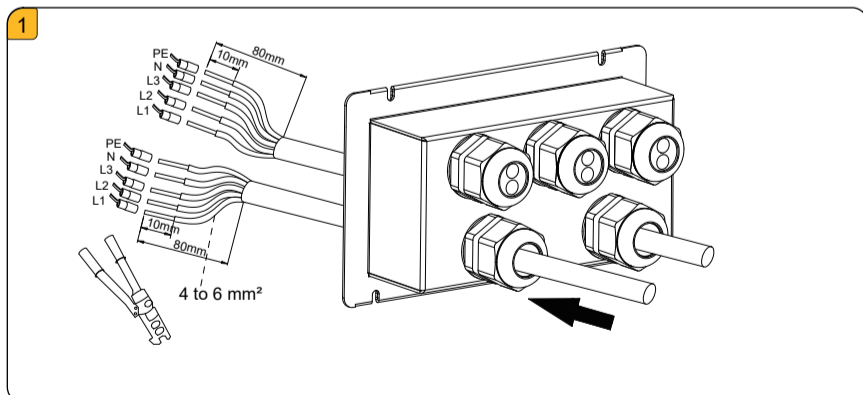
NOTE: Please see System Wiring Diagram for detailed system wiring.

02

5.1 Mount the PE cable



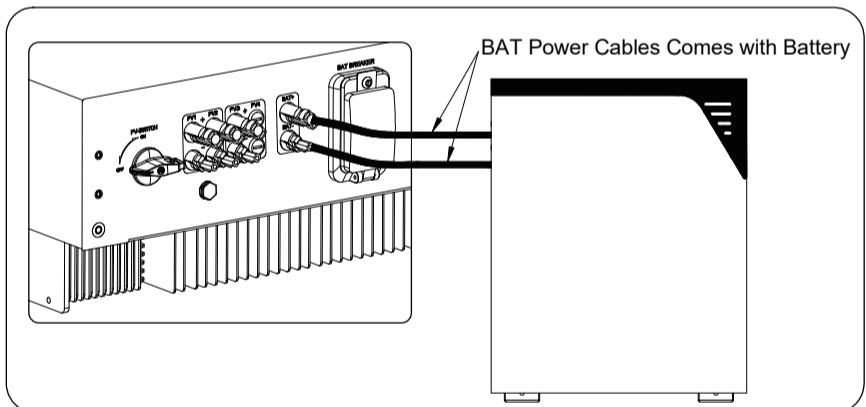
5.2 Connect to the Backup / Grid Power Cable



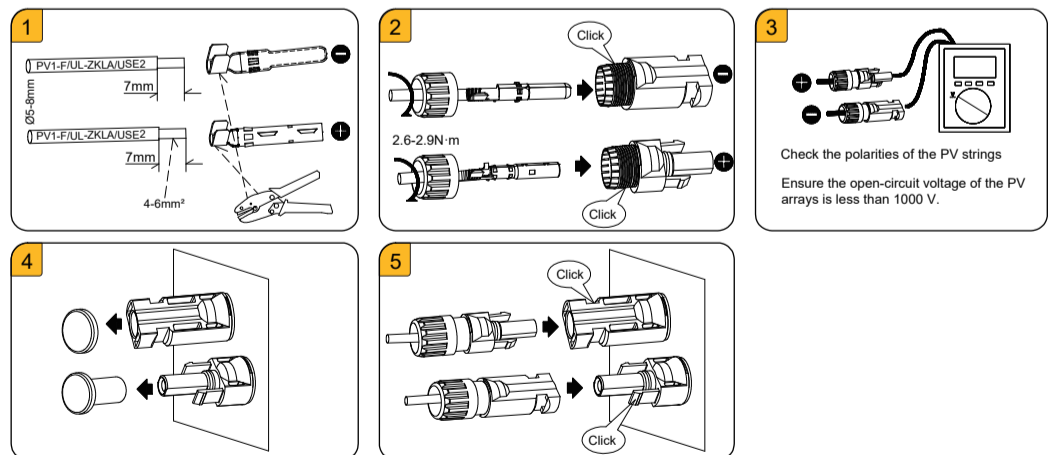
NOTE: For the installation sites in Australia and New Zealand, the neutral cable of grid side should be connected in parallel to the backup side, or otherwise the backup output will fail to operate.

03

5.3 Connecting the BAT Power Cable

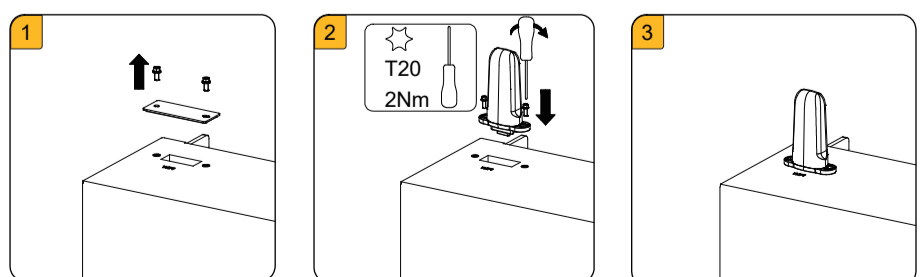


5.4 Connecting the PV Power Cable



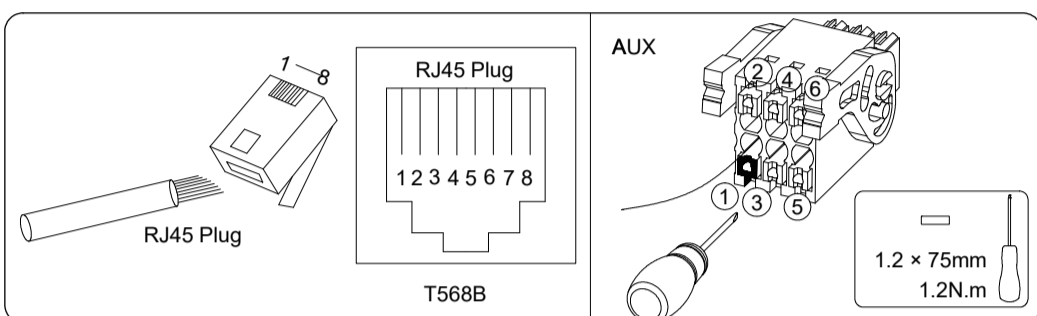
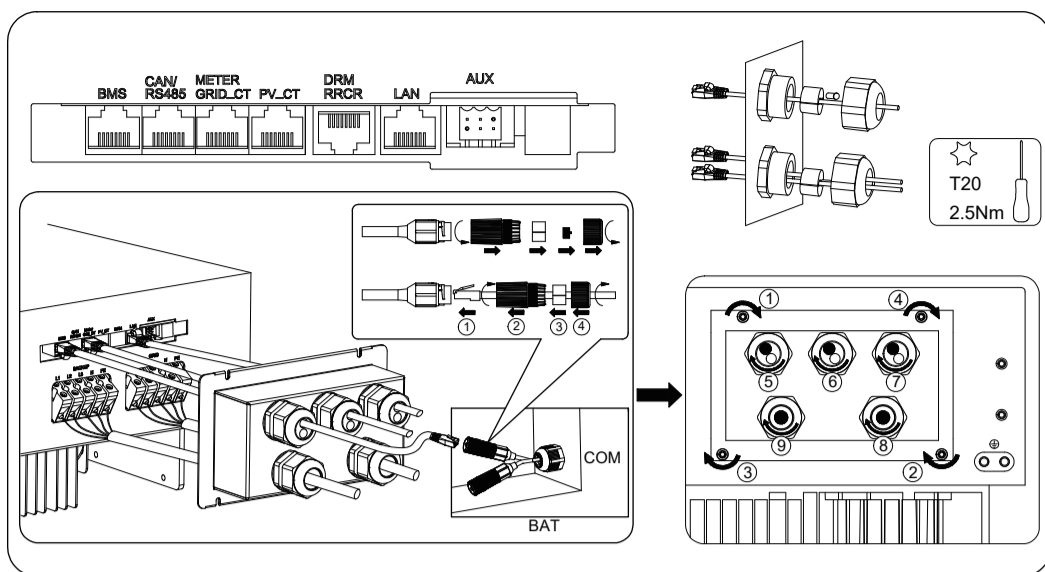
06 Communication Connection

6.1 Wi-Fi Connection



04

6.2 AUX / LAN / PV-CT / DRM, RRCR / GRID-CT and Meter / RS485 / BMS Connection Communication Connection Ports as Follows:



AUX	1	2	3	4	5	6		
	DO1_NO	DO1_COM	DO1_NC	DO2_NO	DO2_COM	DO2_NC		
DRM	1	2	3	4	5	6	7	8
	DRED 1/5	DRED 2/6	DRED 3/7	DRED 4/8	REF GEN/0	COM LOAD/0	/	/
PV_CT	1	2	3	4	5	6	7	8
	/	/	RS 485_A7	/	/	RS 485_B7	/	/
GRID_CT	1	2	3	4	5	6	7	8
METER	/	/	RS 485_A7	/	/	RS 485_B7	/	/
RS485	1	2	3	4	5	6	7	8
	/	/	/	RS 485_B5	RS 485_A5	/	/	/
BMS	1	2	3	4	5	6	7	8
	/	RS485_A4	/	CAN1_H	CAN1_L	/	RS485_B4	/

05

07 Commissioning

WARNING

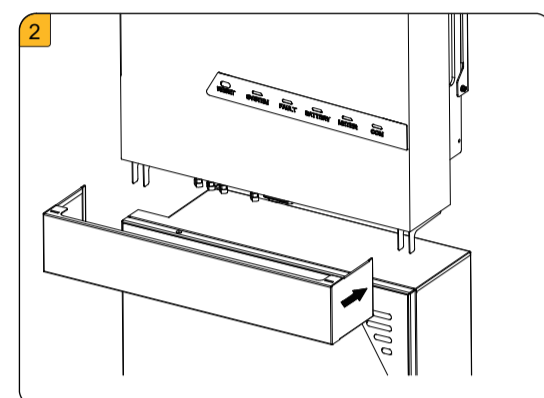
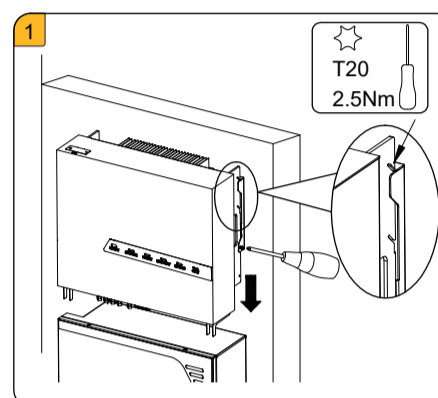
Before Power-ON, check that the installation and electrical connection are correct and reliable.

Follow the commissioning steps in **COMMISSIONING GUIDE AND REPORT** and it also include steps to download AlphaESS APP and register account, power on the product, configure wifi module, set system parameter and operate the system.

08 Switch OFF the Product Procedure

- 1) Switch off the AC breaker between the inverter and the load.
- 2) Switch off the AC breaker between the inverter and the grid.
- 3) Switch off the PV switch at the bottom of the inverter.
- 4) Switch off the PV switch between the PV string and the inverter if there is any.
- 5) Switch off the battery breaker which is at the bottom of the inverter.
- 6) Turn off the battery by pressing the power button for 6s.
- 7) Switch off the battery breaker.

09 Installing the Cable Cover



06



SYSTEM USER MANUAL



SYSTEM INSTALLATION MANUAL



APP MANUAL (INSTALLER)



ALPHA CLOUD MANUAL (INSTALLER)



APP MANUAL (END USER)



ALPHA CLOUD MANUAL (END USER)



SYSTEM DATASHEET



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