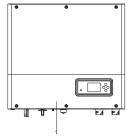
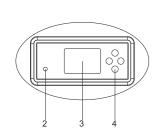
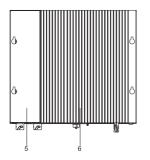
# SPA 4000-10000TL3 BH **Quick Guide**

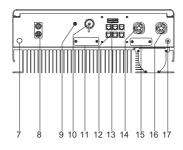


## **Overview**









1.Front panel 6.Heat sink

11.RS232 Cover

2. Double color LED

7.Breathable valve

12. Communication ports

8.Battery connector 13.DIP and Dry connector

3.LCD screen

4. Push button 5. Magnetic devices 9.Antenna hole

14.AC grid connector 15.Reserved hole

10.USB port

16.EPS connector 17. Grounding screw

## ⚠ Note:

1. Only three-phase meter supports current direction detection.

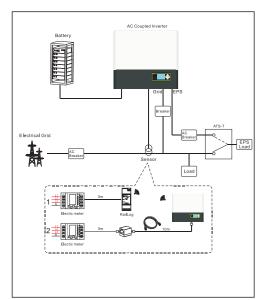
2. Function introduction of communication ports (12) in the follow.

## ⚠ Note:

- 1. This file will be updated from time to time due to product upgrades or other reasons. Unless otherwise agreed, this document is intended as a guide only. All information and suggestions do not constitute an express or implied warranty. The final interpretation of the content is at
- 2. This document is for quick guidance installation only. For details, please refer to the User Manual.
- 3. Machine damage caused by failure to follow the content is not covered by the warranty.

## 2. Installation

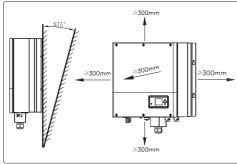
#### System Overiew

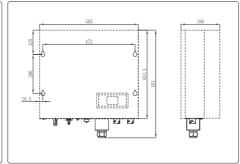


## 🛕 Note:

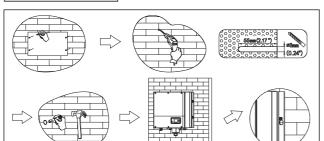
The installation of this AC Coupled system needs to comprehensively consider the position of the battery and the power collector.

#### 2.1 Installation requirements





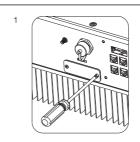
### 2. 2 Wall mounting

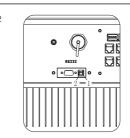


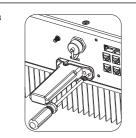
## ⚠ Note:

Be careful: Avoid water and electricity pipes when punching holes in the wall, otherwise it may be dangerous.

## 2. 3 communication module installation







Follow the installation steps:

1.Remove the RS232 waterproof cover. 2.Switch off all the DIP

next to RS232

3. Plug in the communication module.

# 3. Connecting cables

Please prepare the cable before connecting as follows.

| Number | Cable name               | Туре   | Recommend module    |
|--------|--------------------------|--|---------------------|
| 1      | grounding wire           | Single multi-core yellow-green copper wire           | Wire diameter>AWG10 |
| 2      | AC output wire           | Two or three different color multi-core copper wires | Wire diameter>AWG12 |
| 3      | Battery input wire       | Red and black multi-core copper                      | Wire diameter>AWG10 |
| 4      | Other communication wire | CAT5E  | 1                   |

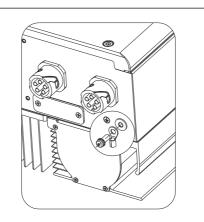
## ⚠ Notice:

1.Lithium battery has its own power line and communication line, so please use them directly.

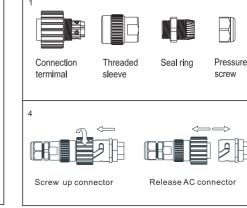
2.AC Coupled inverter include the basic communication line. So please use them directly.

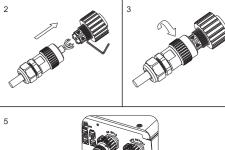
3. Please make sure all the switches off before connection. For your safety, please do not operation when power on.

#### 3. 1 Grounding



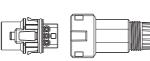
## 3.2 AC GRID and EPS output connection







The following diagram shows the AC output terminal of the Australian machine connection steps, EPS output terminal connection steps consistent with the above steps.

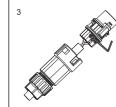


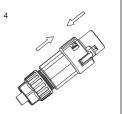
Connection

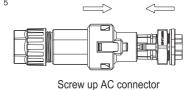
termimal

sleeve











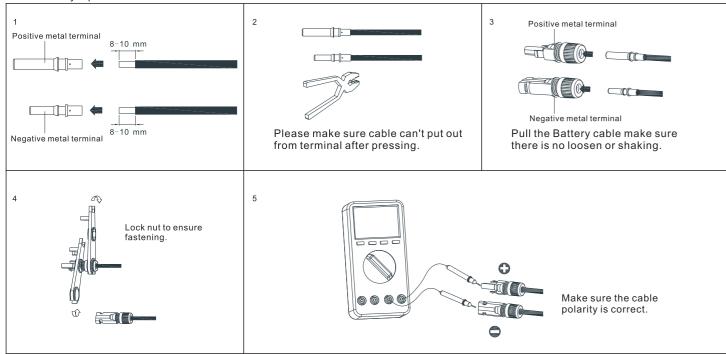
Pressure

screw

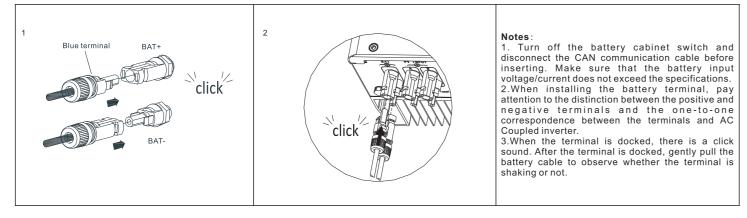


### 3. 3 DC connection

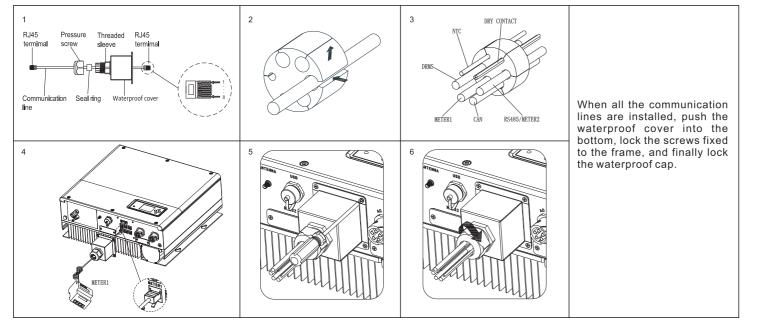
#### 3.3.1 Battery input terminal installation



#### 3.3.2 Plug in Battery terminal



## 3.3.3 Communication cables installation



## 4. Post-installation check

| Number | Acceptance Criteria  | Number | Acceptance Criteria   |  |
|--------|--|--------|---|--|
| 1      | AC coupled inverter is installed correctly and firmly                    |        | ShineWiFi-S or Shinelink or GPRS is installed correctly and firmly. |  |
| 3      | Cable wiring is reasonable, meets the requirements, no broken skin, etc. | 4      | The ground wire confirms the connection and is reliable.            |  |
| 5      | All switches off   | 6      | All wires are correct and securely connected.                       |  |
| 7      | Cable tie port trimming, no sharp corners, etc.                          | 8      | All exposed terminals are well protected, no vacant ports.          |  |
| 9      | Pay attention to packing all the residual materials.                     |        |   |  |

# 5. On off AC coupled inverter

## ⚠ Notes:

Before power on, please make sure all of the voltage and current are in the range of specification of AC coupled inverter. Otherwise it will be damage to AC coupled inverter.

Follow are the steps of turn on actions:

- 1. Turn on the switch between Grid and AC coupled inverter.
- 2. Turn on battery and the switch between battery and AC coupled inverter.
- 3. Turn on Battery switch.
- 4.If need to setup AC coupled inverter. Please turn to user manual of AC coupled inverter for detail description.
- 5. The shutdown steps are opposite to the above order.

## 7. Service and contact

# 6. Status of AC coupled inverter

Customer can read more information by push button. Follow are the instruction of button and LED.

| Mark            | Description          | Explanation                                |                      |
|-----------------|----------------------|--|----------------------|
| ESC OK          | Push-button          | Operation of display screen and set system |                      |
|                 | Status symbol of SPA | Green light on                             | SPA run normally     |
|                 |                      | Red light on                               | Fault state          |
| Normal<br>Fault |                      | Green light<br>blinking                    | Alarm state          |
|                 |                      | Red light<br>blinking                      | Software<br>updating |











Download Manual

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