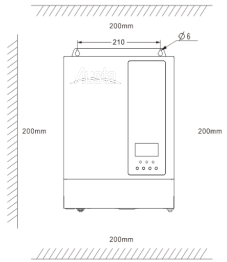


QUICK INSTALLATION GUIDE

STEP1 Mounting the Unit

Selecting a proper placement in a wall with a clearance of approx. 200mm above and below the unit, ensure the heat dissipation. Install the unit with four screws which are already provided by the packaging with the unit.

For safety operation and regulation compliance, please install a circuit breaker or fuse between each power source, and must trip the breaker before connecting.



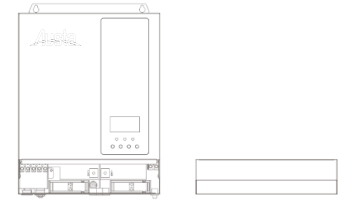
WARNING! Ventilation is very important to lead-acid batteries, Otherwise, there is a risk of batteries explosion.

WARNING! Never operate in a wet or dusty environment.

CAUTION! Local rules and regulations should be followed when installing this unit.

STEP2 Connection

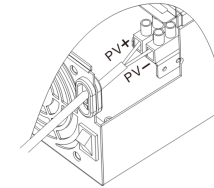
Take off the terminal cover by moving two screws.



Please follow the below steps to implement the connection:

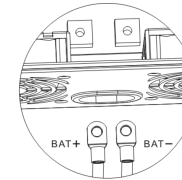
● PV connection

Insert PV IN cables according to polarities indicated on the terminal block which shown as below.



● Battery connection

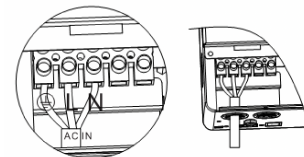
Insert BAT+/- cables according to polarities indicated on the terminal block which shown as below. 5mm diameter round terminal block required for battery cable connection.



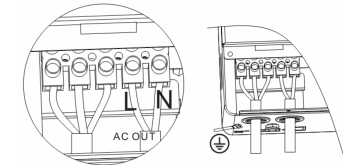
● AC IN/OUT connection

Insert AC IN/OUT cables according to polarities indicated on the terminal block which shown as below. Its AC output terminals must be provided with grounding, be sure to connect PE first. An additional grounding point is located on the outside of the product.

⊕ : Ground L : Live N : Neutral



⊕ : Ground L : Live N : Neutral



WARNING! To reduce the risk of fire, please use the proper recommended cable and terminal size in the user's manual.

CAUTION! The terminal screws must be tightened to reduce heat generation due to resistance.

STEP3 Final Assembly

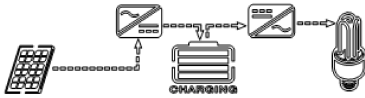
Put the terminal cover back and screwing.

STEP4 Operation

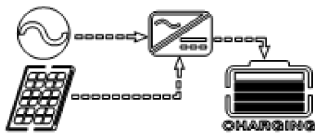
1. Closing the breaker between battery and inverter.
2. Press the ON/OFF switch at the bottom, the corresponding icons will be displayed on the panel.



3. Closing the breaker between PV array and inverter, the corresponding icons will be displayed on the panel.



4. Closing the breaker between the utility grid between inverter, the corresponding icons will be displayed on the panel.



5. Finally, turn on the load and see if it runs smoothly.

TROUBLE SHOOTING

The common fault codes are shown below:

NOTE: For fault codes that do not appear in this table, please check in the user manual.

Fault codes	Definition	Cause	Remedy
[03]	Battery Disconnection	Battery disconnection or Li-ion battery BMS can't smooth communication	1.Please check if battery cables are connected well. 2.Please check if circuit breaker is opened. 3.Please check if BMS wire of Li-ion battery is connected well.
[09]	PV Input Overvoltage	The total voltage of the serially connected PV modules exceeds the permitted value of the device.	Use a multimeter to check if the open-circuit voltage of the PV array exceeds the maximum allowable input open-circuit voltage, if so, then reduce the number of PV modules in series.
[21]	Fan Fault	Fan failure more than 3s.	After switching off all power, check the fan for foreign objects stuck in it.
[43]	Parallel Connection Error	A high level signal input is detected in the parallel communication cable.	1.If you use multiple HFP series inverters , Please check if the DB15 cable is connected well. 2.If you use only a single inverter for the HFP series, please set the item of 31 to SIG.