



# Quick Installation Guide

## SOLAX BOX II

I

## Battery System Installation

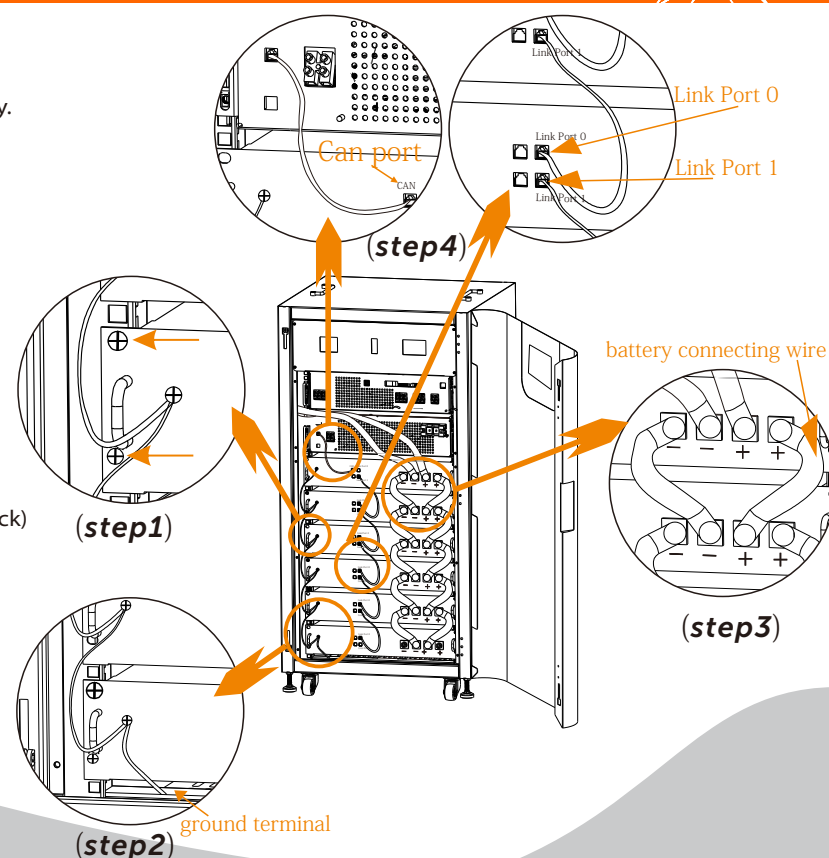
Open the door from back of SOLAX BOX II with dedicated key. Take down the battery cover plate by screwdriver.

Step1: Place the batteries----- lock them on the bridge as the picture shows.

Step2: Connect the PE wires-----connect them one by one, the last one to the ground terminal as the picture shows.

Step3: Connect the battery connecting wire-----positive to positive, negative to negative, the wire is provided by the battery except the first wire is in the cabinet.(the color of positive wire is orange, the negative wire is black)

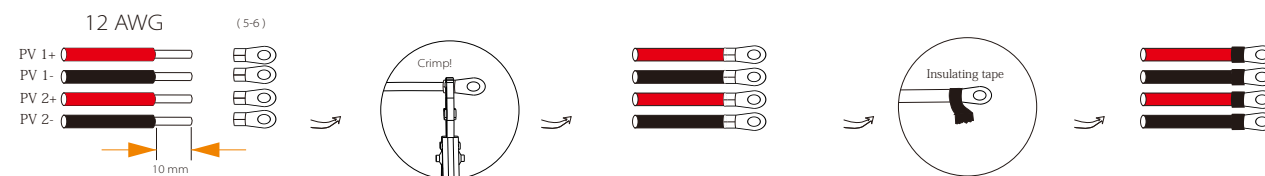
Step4: Connect the communication cable-----Link Port1 to the Link Port 0 of the next one, the CAN port of the first battery is link to the BMS port of the BMU as the picture shows.



II

## PV Port Installation

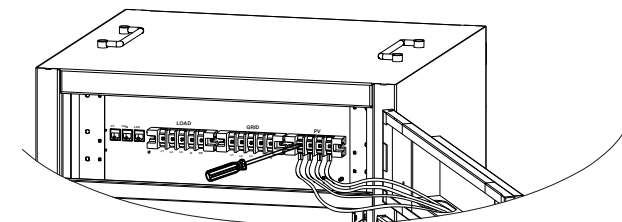
1. Make the wires



2. Open the back door, let the wires pass through the hole at the bottom of the door.

3. Remove the screws on the terminal block.

4. Fit the wires into the terminal block accordingly and tighten the screws



III

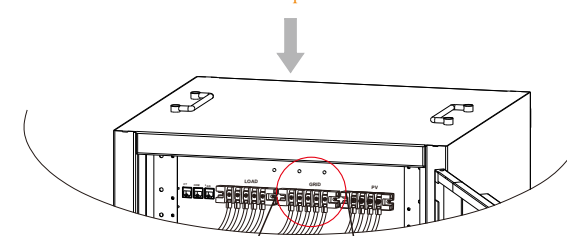
## Grid Port & Load Port Installation

Step1: Make wires.

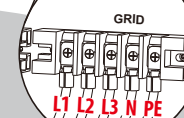
Step2: Connect wires as the same with PV wire connection.



Step1



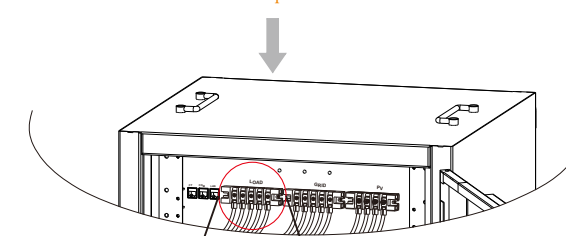
Grid Port



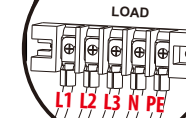
Step2



Step1



Load Port



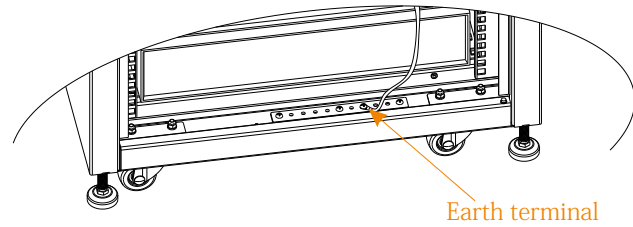
Step2

# IV

## Earth/LAN Connection & Overview

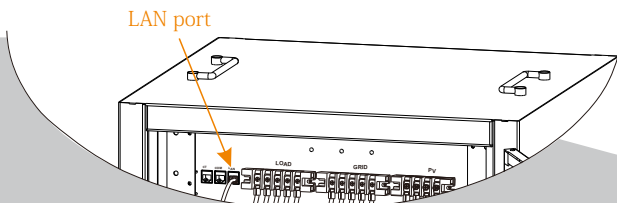
### Earth Connection

Make the earth wire terminal like PV wire terminal, fit the wire though the hole on the bottom of the door, screw the ground screw with allen wrench shown as follow,

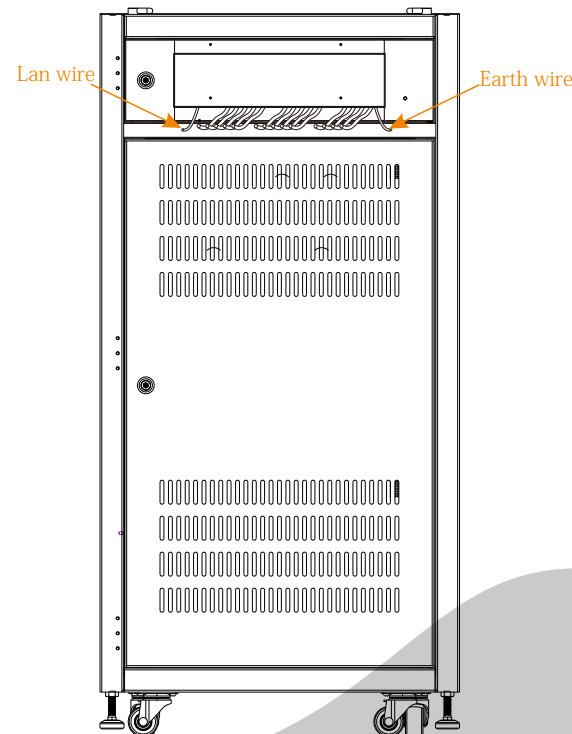


### Lan Connection

Insert one side of the cable into the LAN port, and the other side of the cable into router or computer.  
Close the door.

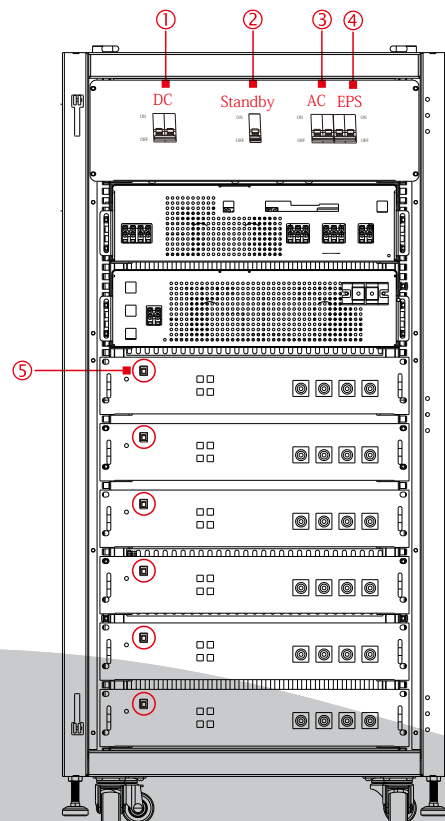


### Overview



# V

## Power ON/OFF Procedure



### SOLAX BOX boot steps:

Step1: Turn on inverter's DC breaker.①

Step2: Turn on AC&EPS breaker.③ ④

Step3: Turn on battery switch. ⑤

Step4: Turn on external DC&AC connector.

Step5: Turn on Standby breaker②

### SOLAX BOX power off steps:

Step1: Turn off Standby breaker②

Step2: Turn off external DC&AC connector.

Step3: Turn off battery switch. ⑤

Step4: Turn off AC&EPS breaker.③ ④

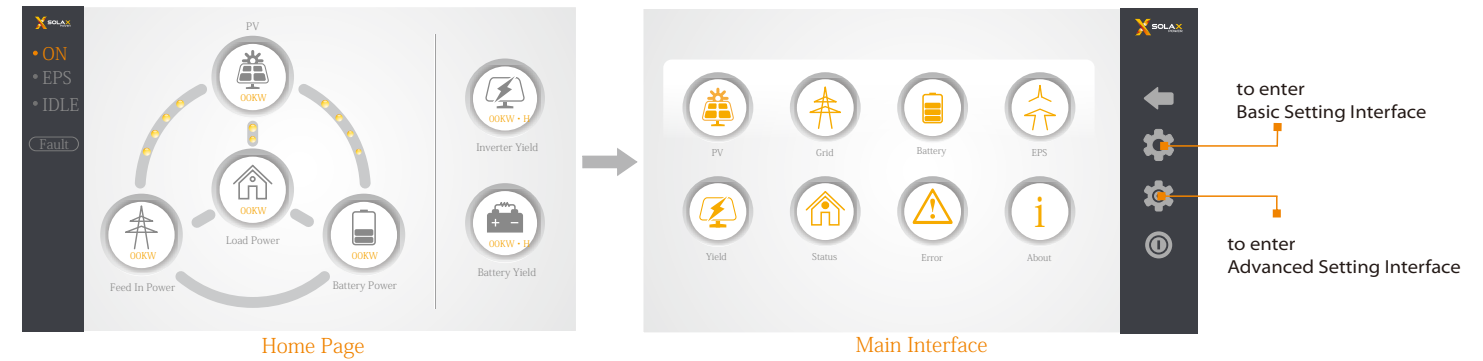
Step5: Turn off inverter's DC breaker.①

# VI

## Programming Guide

### Enter setting interface

Step1. Press any position on the Home Page to enter Main Interface.  
Step2. Press setting symbols to enter Basic Setting Interface and Advanced Setting Interface.

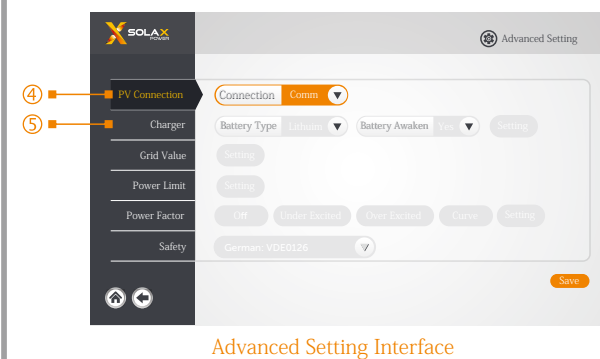


### Do basic setting



- Set date time.
- Choose language.
- Set WIFI.  
Step1: Choose "Yes".  
Step2: Click "Setting" to enter setting page.  
Step3: Choose a home-AP with stronger strength, and type in password.

### Do advanced setting

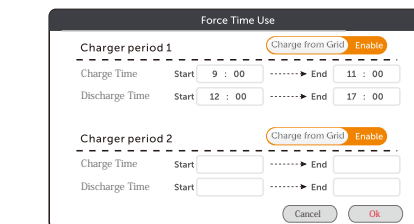


- Set mode for PV input.  
"Comm", means single MPP tracking, 2 MPPT working together.  
"Multi" means multi-MPP tracking, 2 MPPT working independently.

- Set battery type.  
Set battery awaken.  
Set battery parameters.

Min capacity	20 %	Charge Float Voltage	47.0 V
Charge cut voltage	53.5 V	Charge Max Current	50.0 A
Discharge cut voltage	47.0 V	Discharge Max Current	50.0 A
Charge Absorp Voltage	54.0 V		

- Set work mode.  
Self Use:  
The priority for PV generated power will be: local load > battery > public grid.  
Force Time Use:  
Battery will be charged or discharged in setting time.  
It can be set that whether allows to charge from grid or not.



- Set export control value.  
SOLAX BOX II can control energy exported to the grid.

- Set battery backup discharge voltage.  
Battery backup discharge voltage must be lower than discharge cut voltage.

### Advanced Setting Interface