

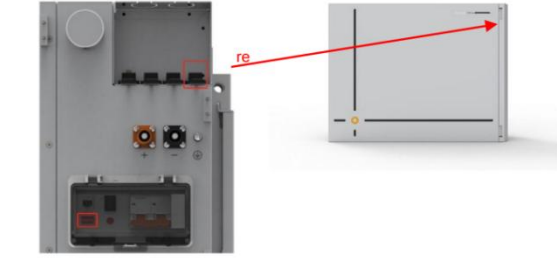
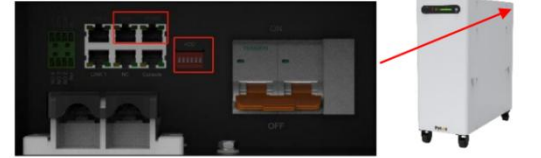
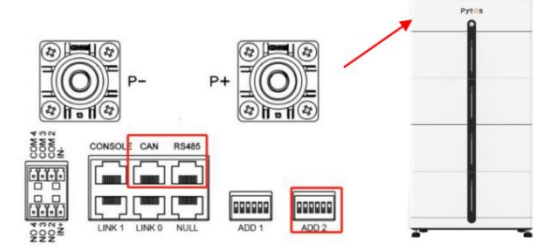


Pytes Low Voltage Battery Series Configuration Guide with SMA

Pytes Lithium Battery with SMA Island Series

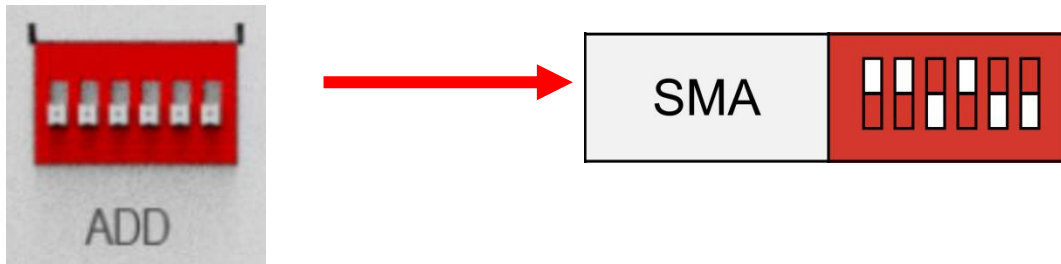


Pytes low voltage battery interface overview

No.	Item Name	Product Picture
1	E-BOX 4850-C	
2	E-BOX 4850G	
3	E-BOX 48100R-C	
4	V5°	
5	V5°α	
6	V5°α Plus	
7	V10	
8	V15	
9	Pi LV1	

Set the Dip Switch

Only need to set the master battery Dip Switch to the corresponding position as shown. The Dip Switch (ADD) location varies for each battery model; please refer to the respective user manual for details.



Select the correct the communication cable between battery and Inverter

Select the correct the communication cable and the correct pinout of communication port on the battery according to the Pin Definition List. If the pin definitions of the battery and inverter align, a standard ethernet cable can be used. Otherwise, the cable needs to be adjusted.

Pin Number	Battery Pin Definition	Inverter Pin Definition
1	RS485B	
2	RS485A	
3	GND	
4	CAN-H	CAN-H
5	CAN-L	CAN-L
6	GND	
7	RS485A	
8	RS485B	

1 Power Cable Connection

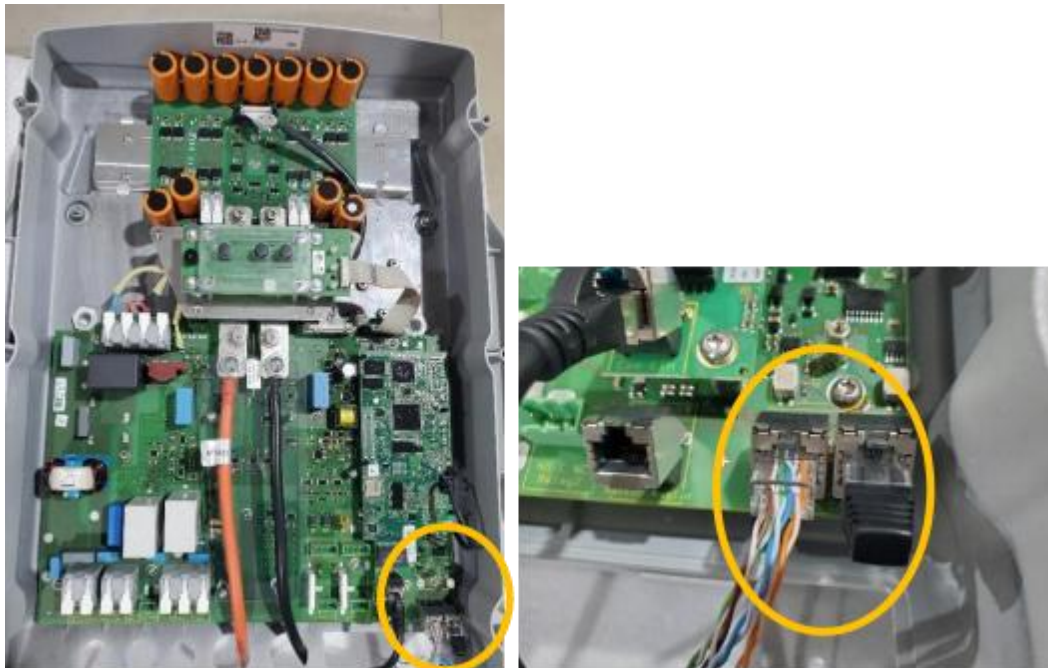
open the front housing of the SMA Sunny island and connect the red and black cables to the inverter DC Connector as shown in Figure 1.1.



Figure 1.1

At the other end of the cable, connect to the positive and negative battery connectors,

2 Communication Cable Connection



This cable is used for communicating with the battery. connect the other end of the cable to the battery CAN port.(Check page 2)

3.1 Commissioning the Inverter

connect the Ethernet cable as shown in Figure 3.1, connect the other end of the cable to your laptop or pc.



Figure 3.1

Turn on the battery power switch , press and hold the Sw switch until the RUN indicator on the battery lights up.

Turn on the DC Switch of the inverter and the light turns green as shown in Figure 3.2

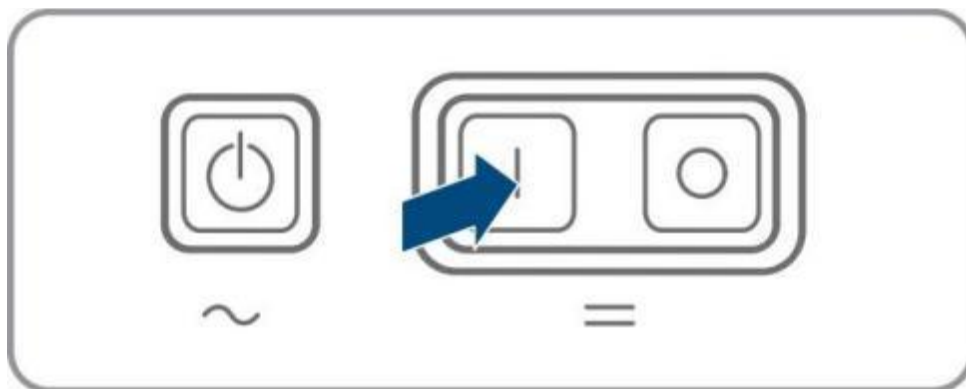




Figure 3.2

3.2 Log in

Turn on your computer and open your browser , type in the web bar the URL: **169.254.12.3**



The following web page will appear:



Login as Installer or user for the First Time

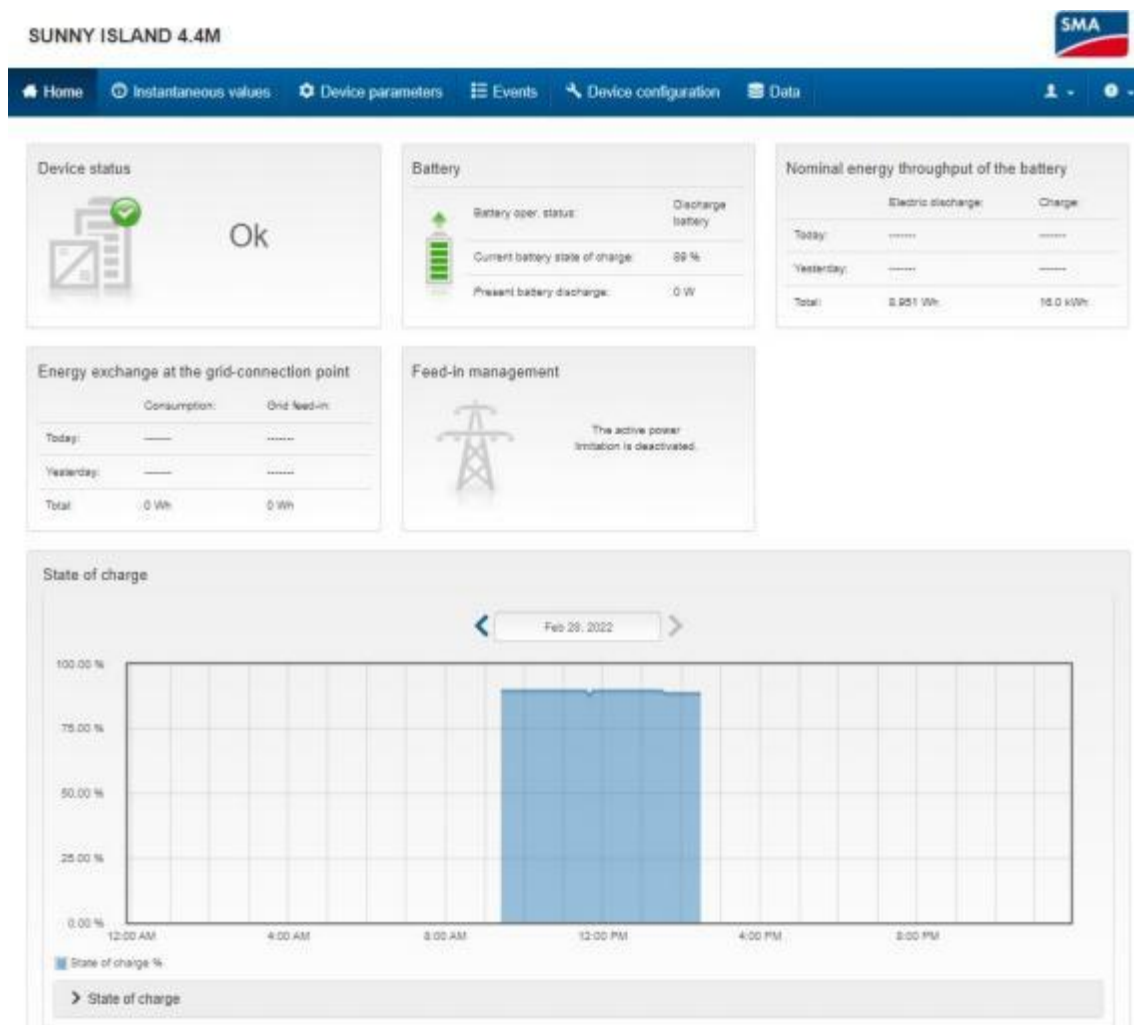
1. In the drop-down list Language, select the desired language.
2. In the password field, enter a password for the user user group.
3. In the Repeat password field, enter the password again.
4. click on save.
5. In the New password field, enter a password for the Installer user group. Assign a uniform password to all sma devices to be registered in a system. The installer password is also the system password.
6. In the Repeat password field, enter the password again.
7. click on save and log in.

The installation assistant or the home page of the user interface opens.

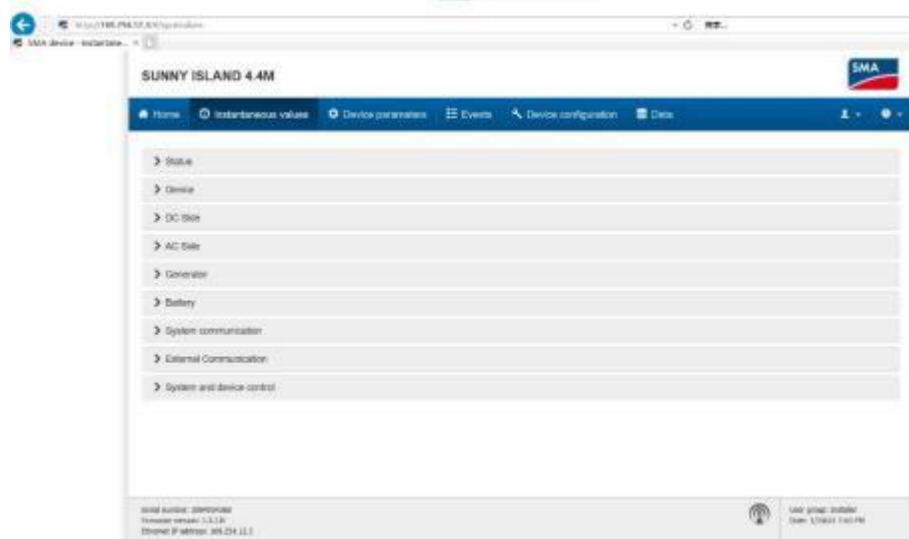
Login as the user or installer

1. In the drop-down list Language, select the desired language.
2. In the user group drop-down list, select the entry Installer or user.
3. Enter the password in the field password.
4. select Login.

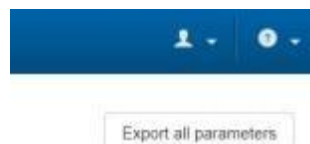
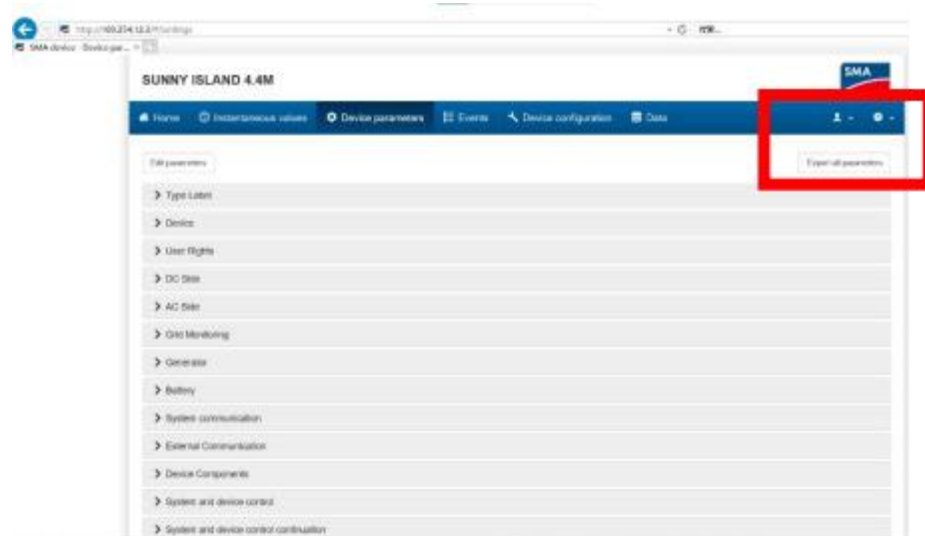
The start page of the user interface opens.



If the communication between the battery and the inverter is successful, the mainpage displays OK.



Real-time status of inverter and battery and grid can be viewed in page instantaneous values”.



The parameters of the inverter can be modified in page “Device parameters” ,
“Export all parameters” can generate a data table in html format for all the current parameters



interface.

settings, please refer to the inverter user manual

-END-