Installation and configuration manual with Solis Hybrid Inverter

Pytes Lithium Battery

E-BOX series

with Solis S5 Series Hybrid Inverter

CONTENTS

Pytes

BOM LIST

Before installation, you should prepare following items.

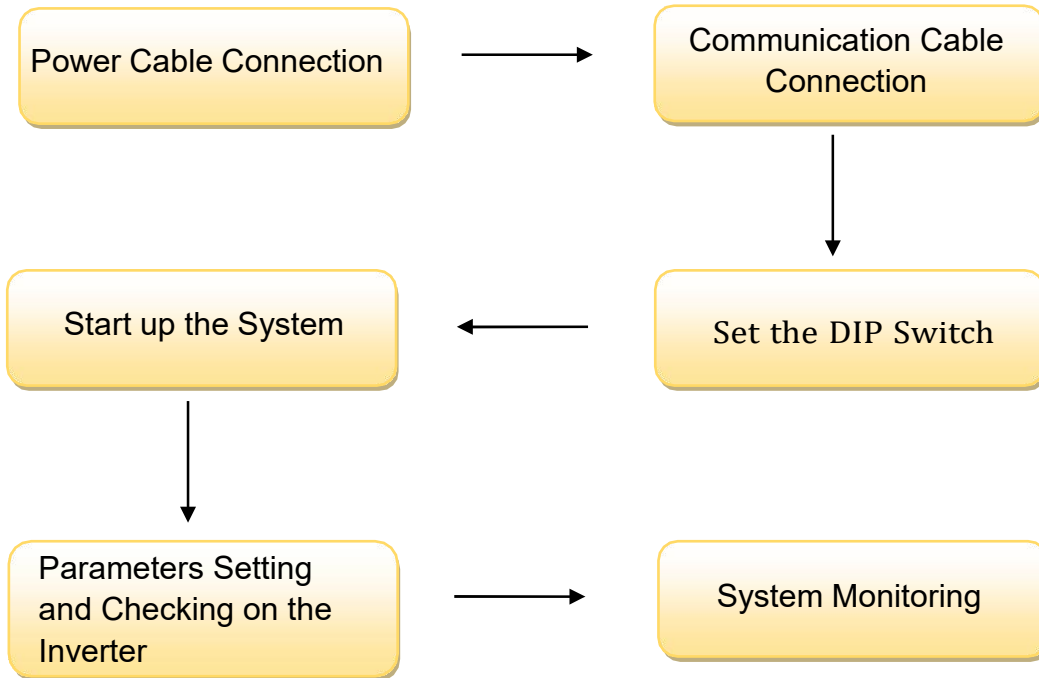| Item	Remarks	Quantity
Power Cable (DC)	a): Conductor cross-section: 50 mm² to 95 mm² b): Cable diameters: 14 mm to 25 mm c): Only copper cables may be used. d): The DC cables must be sized for the maximum battery voltage and the maximum battery current (see battery manufacturer documentation). e): Power cables head must be Amphenol type.	Depends on the number of batteries and the connection method
CAN Cable	CAN communication Terminal (RJ45 port) follow CAN protocol, to output batteries information	1
Battery	48100R / 48100C / 4850	Depends on the number of batteries and the connection method
Inverter	Solis	1

CAN port definition

Version of 48100R	Pin number of com. cable
A version	
B and C version	

CAN port definition

HOW TO INSTALL

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┌─────────────────────────┐          ┌─────────────────────────┐
│                         │          │  Communication Cable    │
│ Power Cable Connection  │  ───────▶│      Connection         │
│                         │          │                         │
└─────────────────────────┘          └─────────────────────────┘
                                                   │
                                                   ▼
┌─────────────────────────┐          ┌─────────────────────────┐
│                         │          │                         │
│  Start up the System    │◀──────── │   Set the DIP Switch    │
│                         │          │                         │
└─────────────────────────┘          └─────────────────────────┘
            │
            ▼
┌─────────────────────────┐          ┌─────────────────────────┐
│ Parameters Setting      │          │                         │
│ and Checking on the     │  ───────▶│   System Monitoring     │
│ Inverter                │          │                         │
└─────────────────────────┘          └─────────────────────────┘
```

CAUTION: If you want to get more inverter-related settings, please refer to the inverter user manual first.
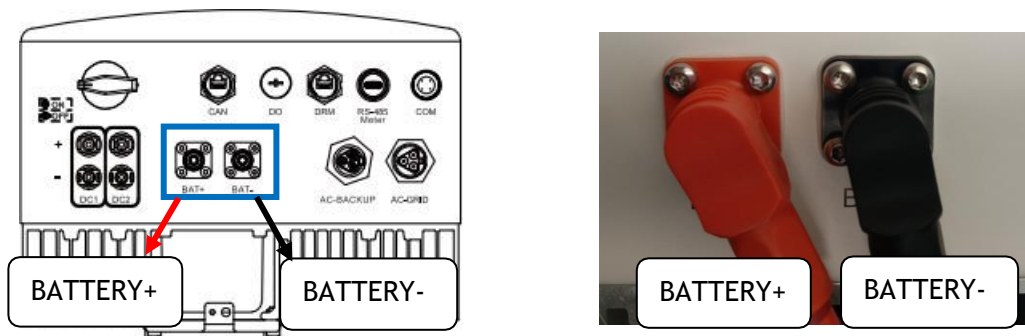
Pytes

1. Power Cable Connection

Step.1

Remove cap of the Solis Inverter positive and negative.

Step.2

Connect the red cable and black cable to the inverter connector as shown in Pic 1.1.


Pic 1.1

Step.3

At the other end of the power cable, connect to the battery as shown Pic 1.2（Ensure that the battery power switch is off）
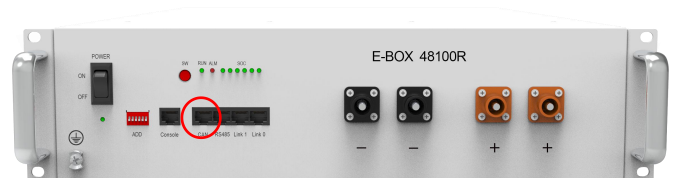

Pic 1.2

Pytes

2. Communication Cable Connection

Insert inverter end of the CAN cable into the controller at CAN. Insert battery end of the CAN cable into the battery at CAN. (Ensure the correct sequence of wires inside the CAN cable). as shown in Pic 2.1.
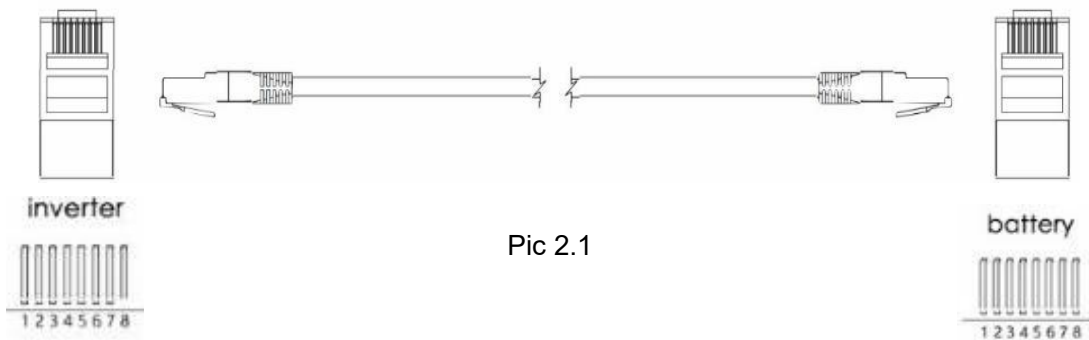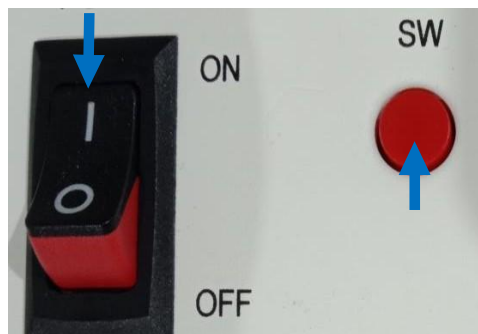

Pic 2.1

3. Set the DIP Switch

Set the DIP switch according to the version of 48100R you have, as shown in table below.

Version of 48100R	ADD setting
A and B version	Solis
C version	Solis

4. Start up the System

Start up the battery.

Firstly, press the power button on, next press the SW red ring button
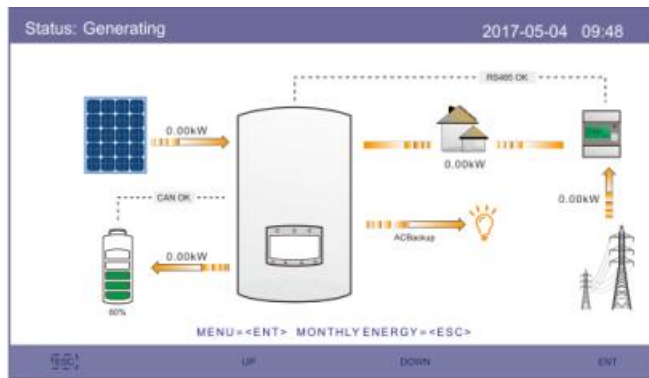
as shown in pic 3.1.

Pic 3.1

5. Parameters Setting and Checking on the Inverter

※CAUTION: If you want more details about the batteries settings，please check the operating manual of inverter.

Step1.

Check the inverter main page on the screen. as shown in pic 5.1.

Pic 5.1

Step2.

Click the **Advanced settings**. Input Password number **0010**, then enter the submenu to set parameters as shown in 5.2

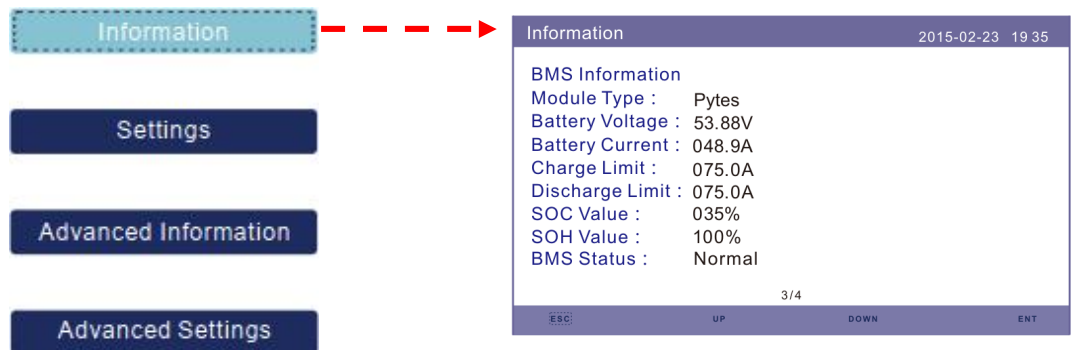There are many items in the sub menu, please set them comply to the inverter manual for the details.

The most important parameters setting is the Storage Energy Set, click into the item and choose battery module **Pytes**.
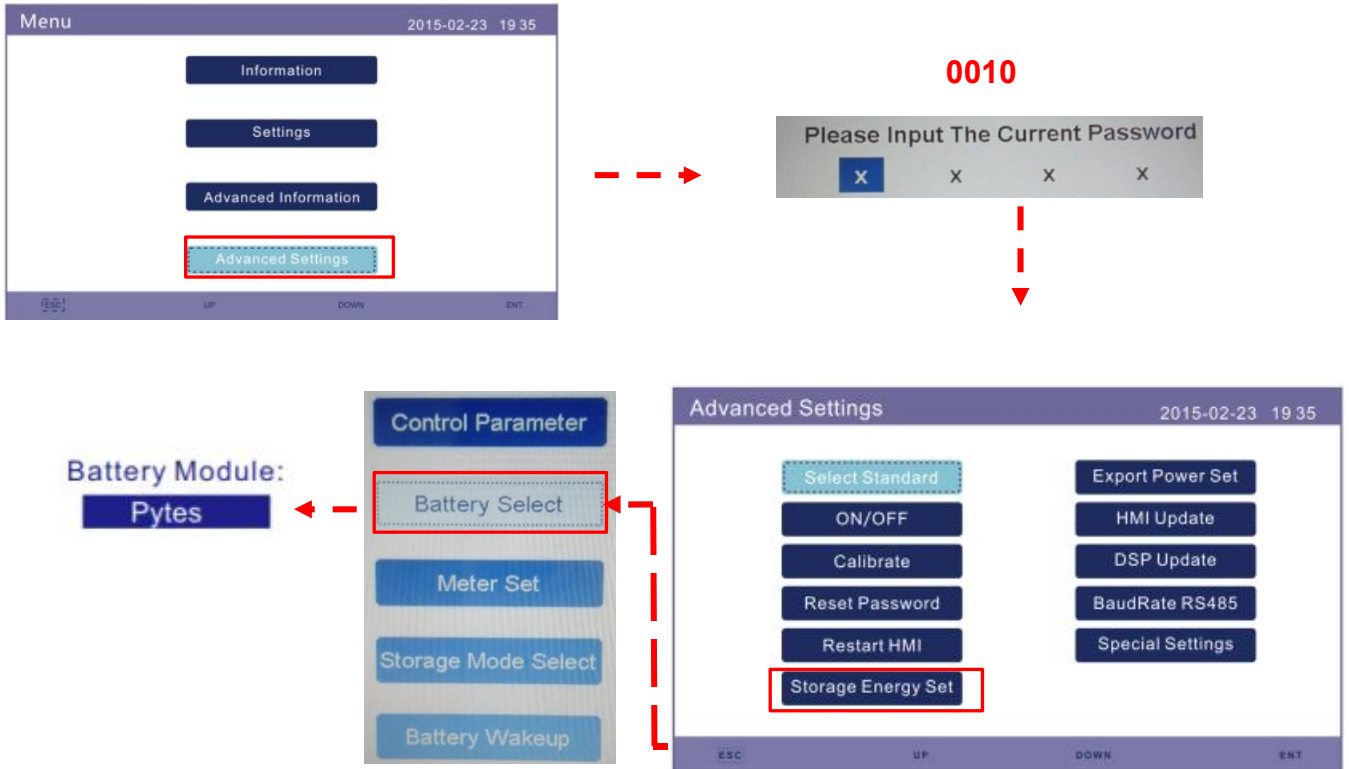
Pic 5.2

Step 3.

Click the information and check parameters as shown in 5.4.

Pic 5.3

Step4.

Click the Advanced information and check Running Message as shown in 5.4.

Pic 5.4

6. System Monitoring

※**CAUTION: If you want more details about system monitoring，please check the operating manual of inverters.**

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