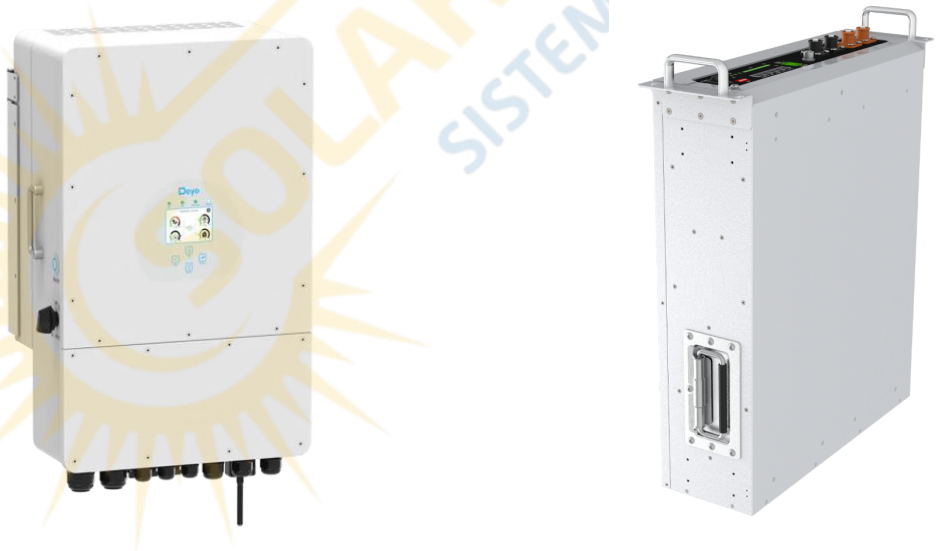
Installation and configuration manual

With Deye

Pytes Lithium Battery V series With

Deye Inverter



SOLARONE.RO® SISTEME FOTOVOLTAICE

BOM LIST

Before installation, you should prepare following items.

Item	Remarks	Quantity
Power Cable (DC)	☐ Conductor cross-section: UL10269-1/0AWG-200mm-Amphonel 8.0mm Or TMR-190*25*18mm ☐ Cable diameters: 14 mm to 25 mm ☐ Only copper cables may be used. ☐ The DC cables must be sized for the maximum battery voltage and the maximum battery current (see battery manufacturer documentation).	Depends on the number of batteries and the connection method
Com. Cable	CAN communication or RS485 communication	1
Battery	V series	Depends on the number of batteries and the connection method
Inverter	Deye	1

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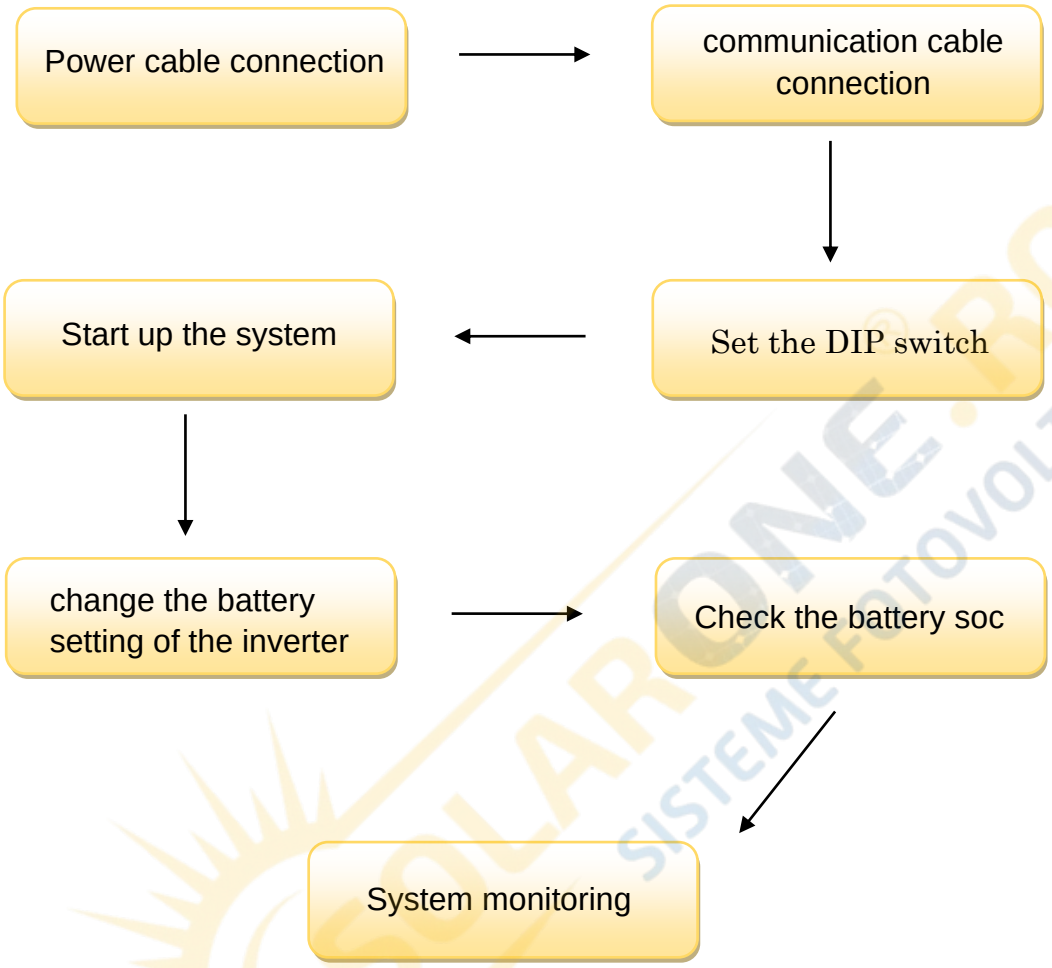
SOLARONE.RO SISTEME FOTOVOLTAICE

HOW TO INSATLL



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

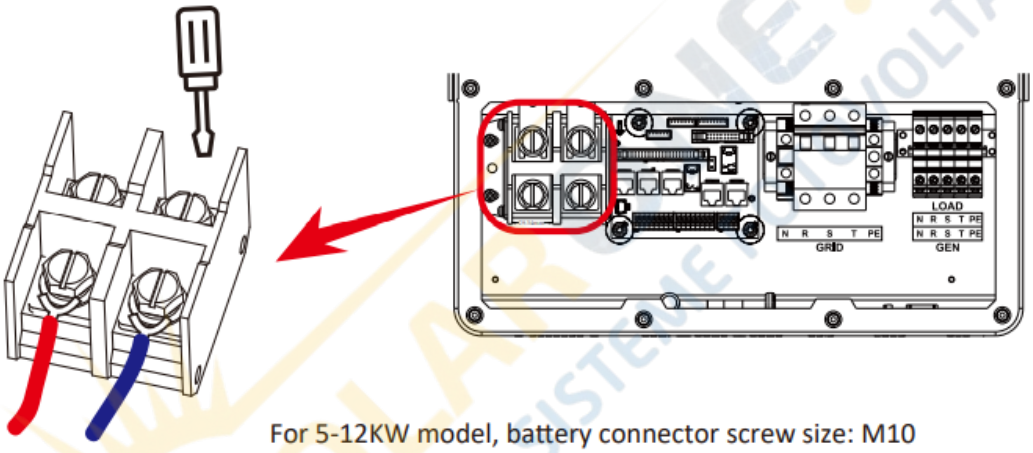
1. Power Cable Connection

Step.1

Open the front housing of the deye inverter Series.

Step.2

Connect the red and black cables to the inverter DC connector as shown in Pic 1.1.1.



Pic 1.1.1

Step.3

At the other end of the cable, connect the battery as shown Pic 1.1.2.

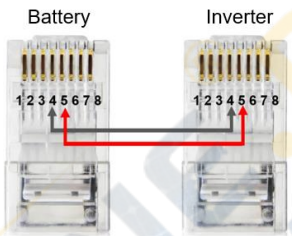
（Ensure that the battery power switch is off. There are two types of V-series battery, one is with Amphenol terminals, the other is Phenix terminals.

Pic 1.1.2

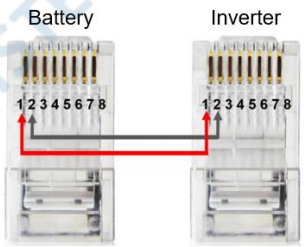
2. Communication Cable Connection

Definition of RJ45 Port Pin for BMS is as follow. Deye can communicate with Pytes by using either CAN or RS485.

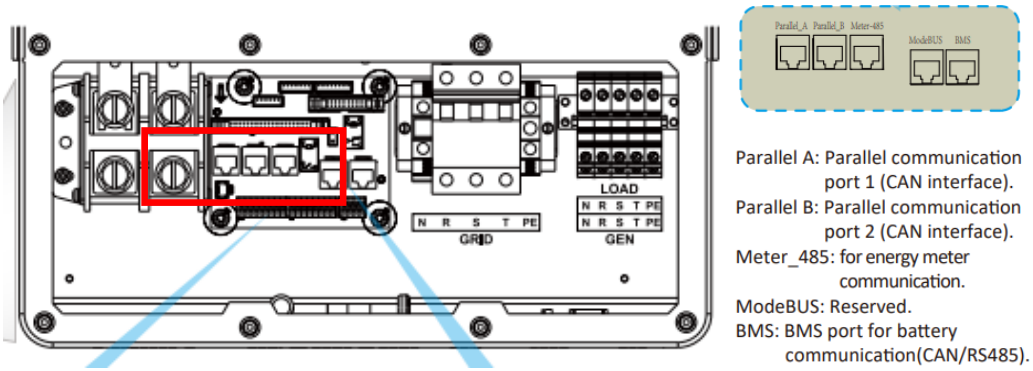
CAN port definition

Version	Pin number of CAN com. cable
V version	

RS485 port definition

Version	Pin number of RS485 com. cable
V version	

Connect the end of the cable to the inverter communication port as shown in pic 1.2.1. Make sure which communication port to use.



Pic 1.2.1

Connect the other end of the cable to the battery communication port as shown in pic 1.2.1. (Ensure the correct sequence of communication cable)

Pic 1.2.2

3. Set The DIP Switch

Set the DIP switch as shown in Pic 1.2.3.

Version	ADD setting
V Series	

Pic 1.2.3

4. Start up the system

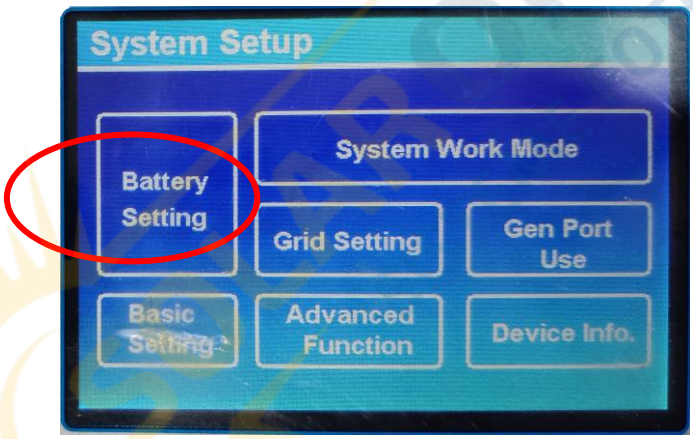
Start up the inverters and batteries.

5.Change the battery setting of the inverter

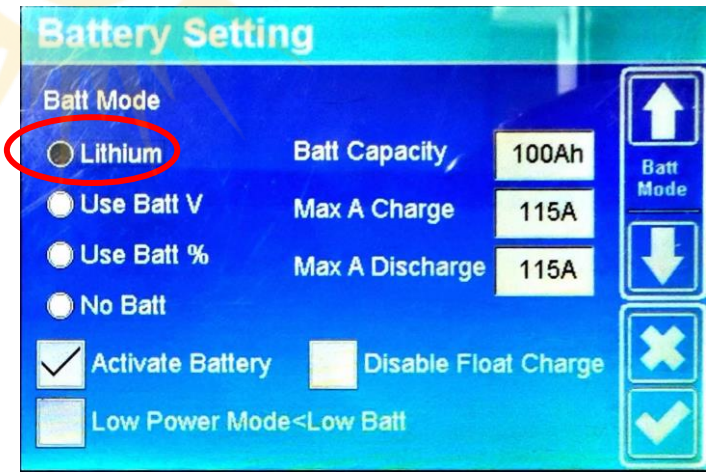
※CAUTION:If you want more details about the batteries settings，please check the operating manual of inverters.

Step1.

Change the battery type to lithium in the Battery setting.



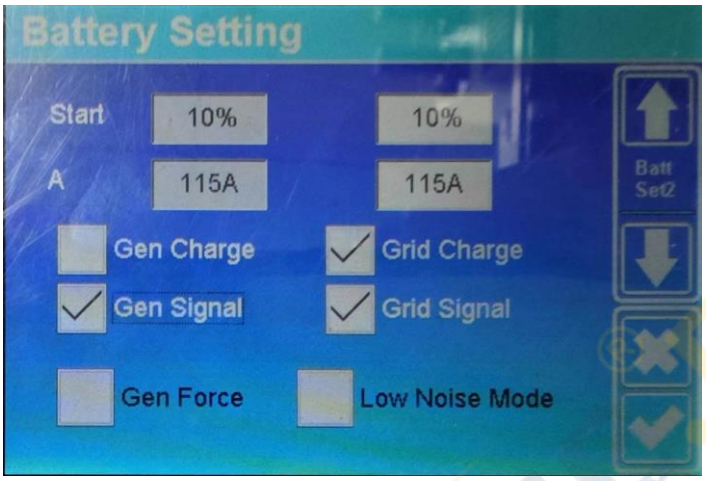
Pic 2.2.1



Pic 2.2.2

Step2.

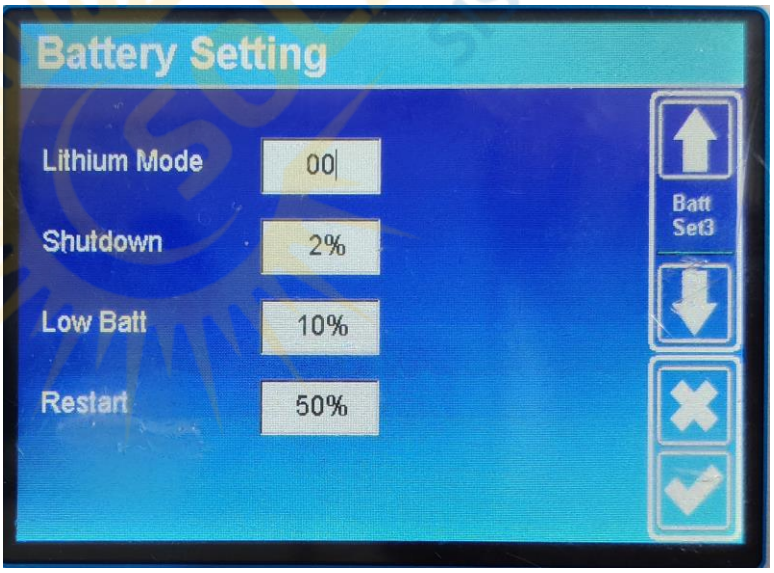
Turn to the next page,you can set charge starting SOC and current.



Pic 2.2.3

Step3.

Turn to the next page, set the lithium mode to 00 if you use CAN mmunication. If you use RS485 communication, set the lithium mode to 12.

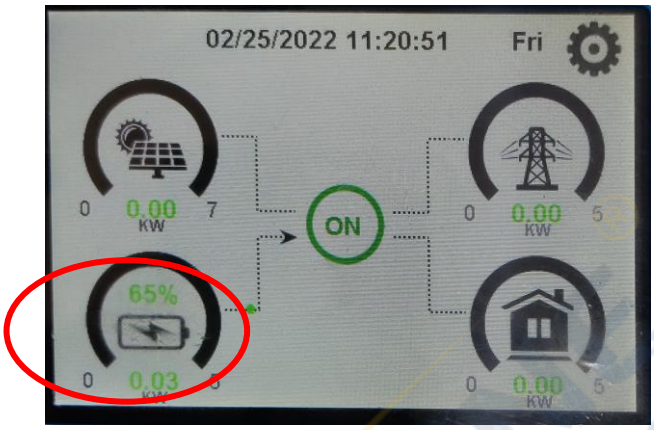


Pic 2.2.4

6.Check the battery soc

Step.1

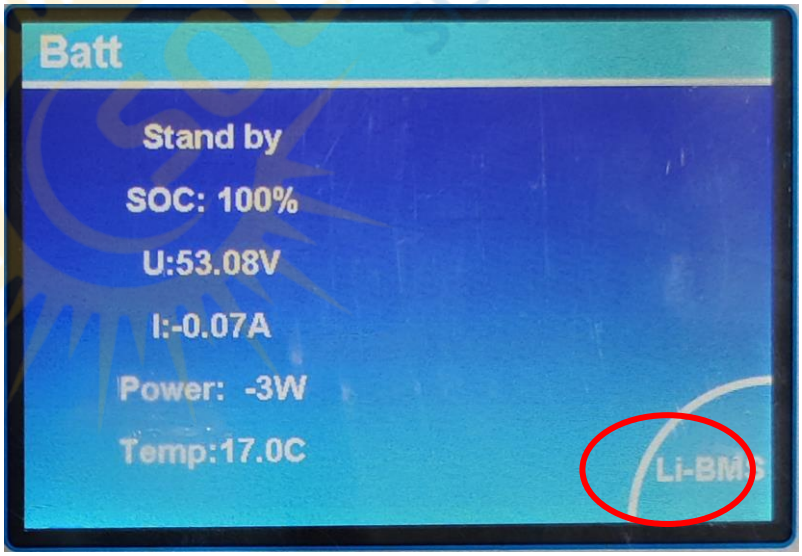
Touch the battery icon of the inverter's touch panel.



Pic 3.1.1

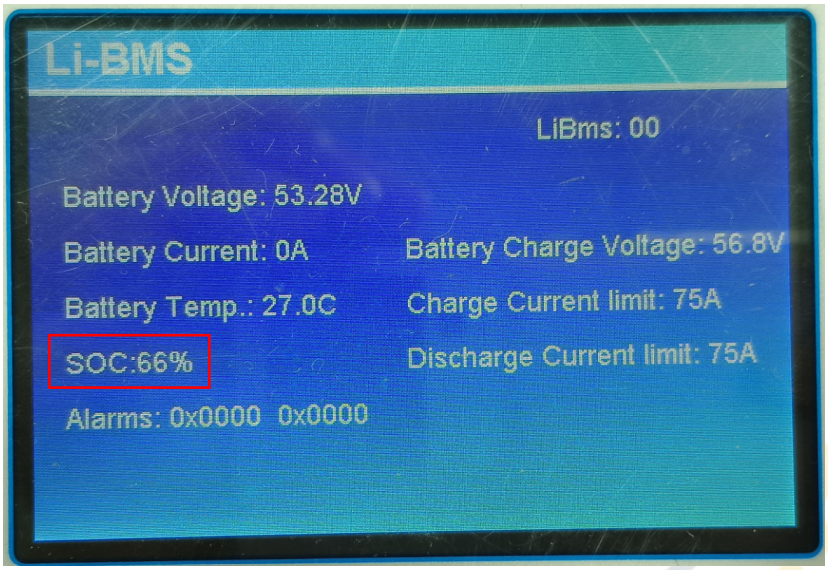
Step.2

Click the Li-BMS in battery information page.



Pic 3.1.2

The details of the battery will be shown on the parameter if the connection between battery and inverter is correct.



Pic 3.1.3

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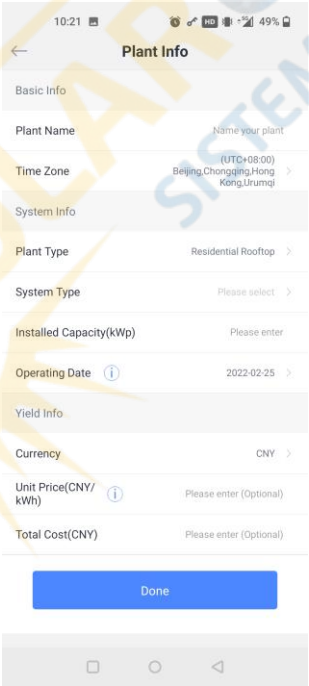
7.System monitoring

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

Download the app from the app store.

Pic 3.2.1

Register a new account and create a new plant.



Pic 3.2.2

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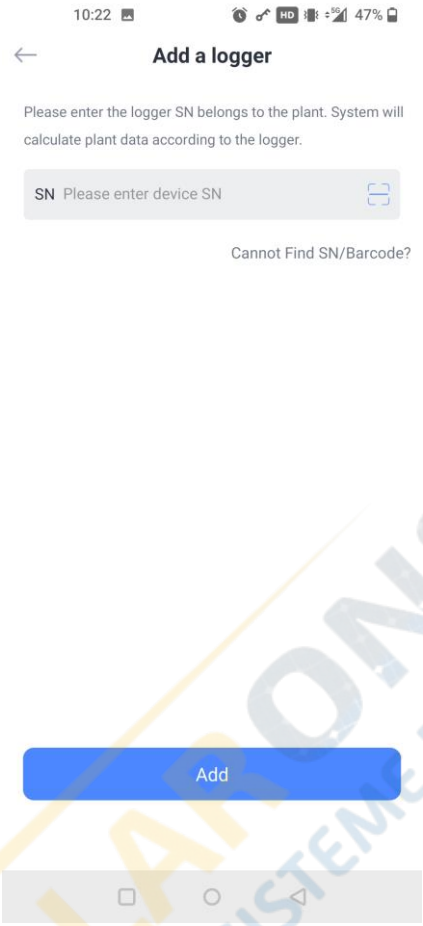
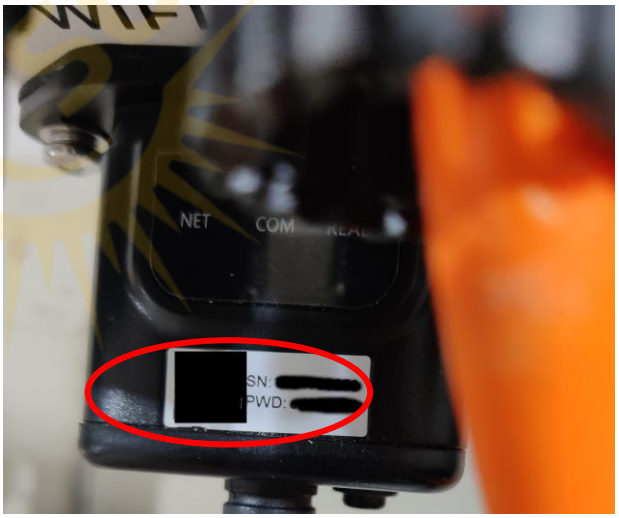
Add the serial number and the password of the Datalogger.

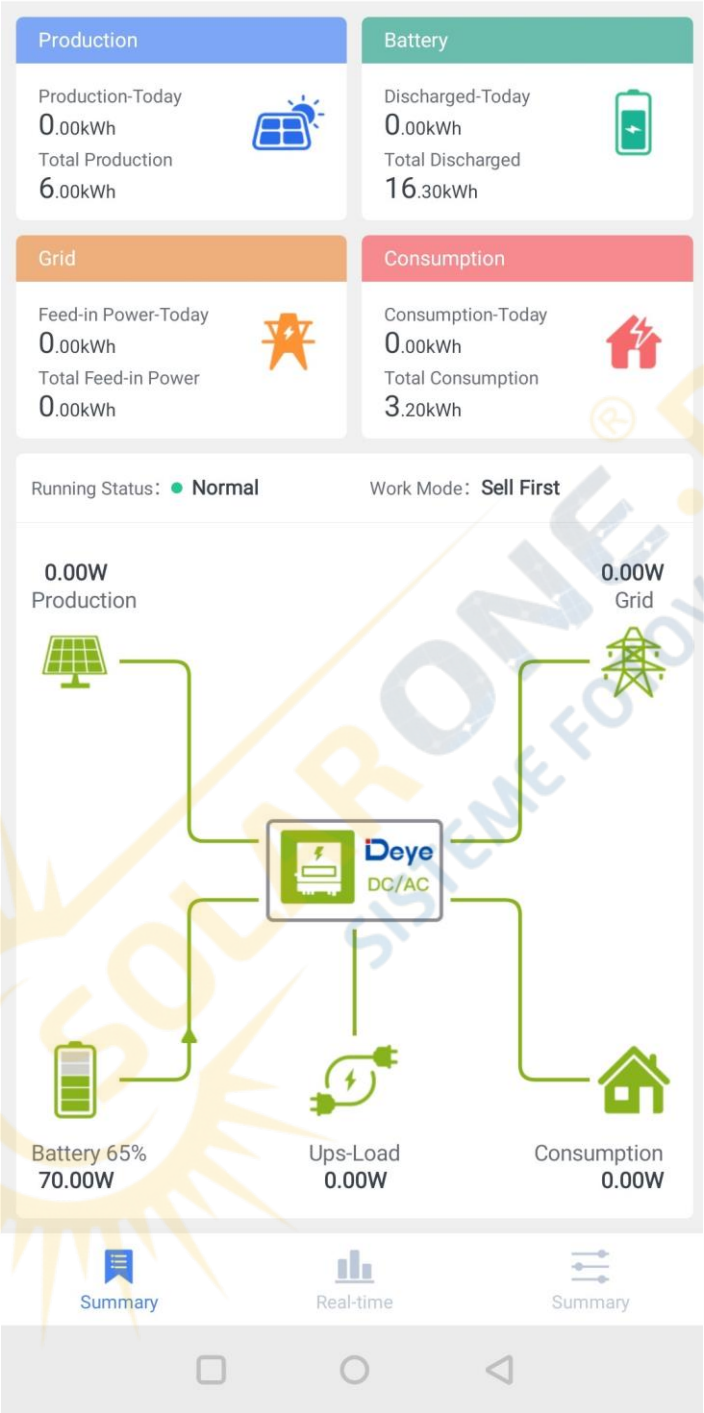


Pic 3.2.3



Pic 3.2.4

Now you can monitor the data of solar- PV grid system



Pic 3.2.5

-END-