Inverter Operation Guide

INVT iMarsXD6KTL

Contents

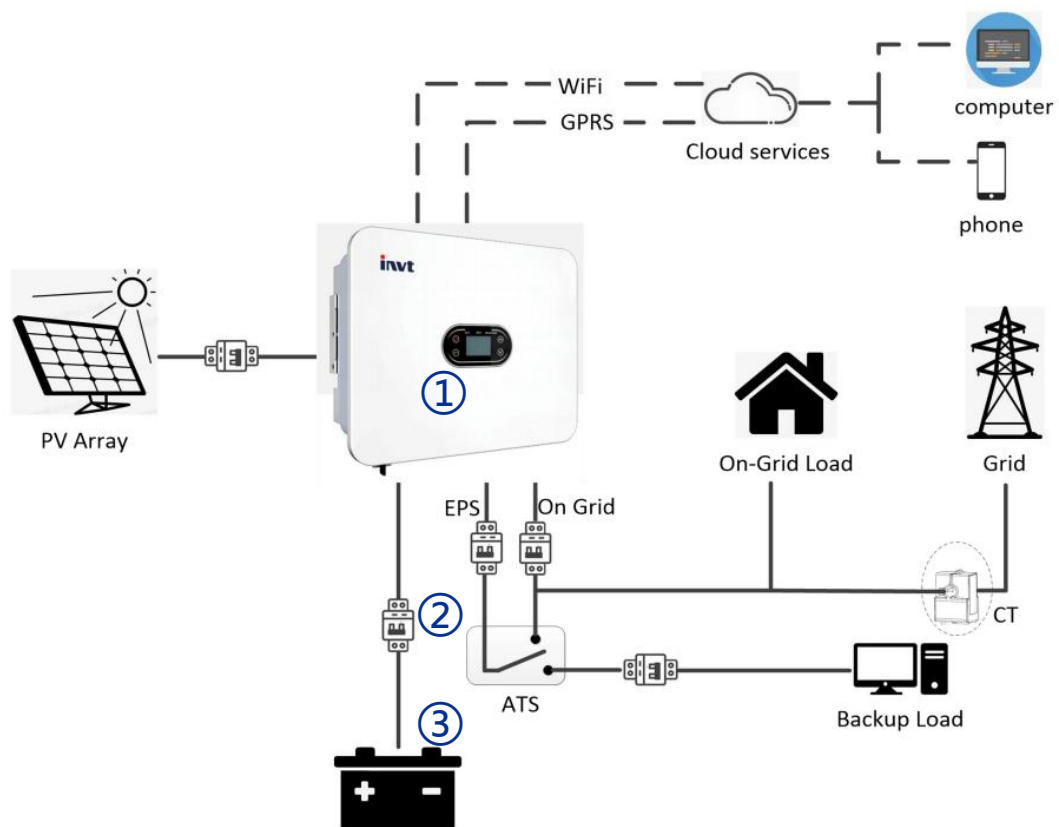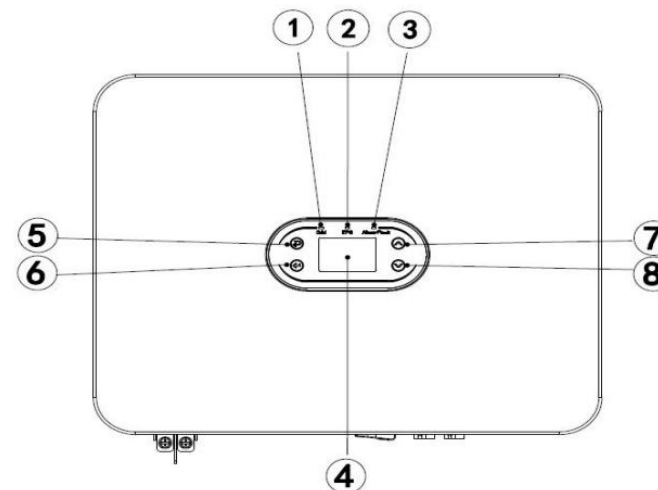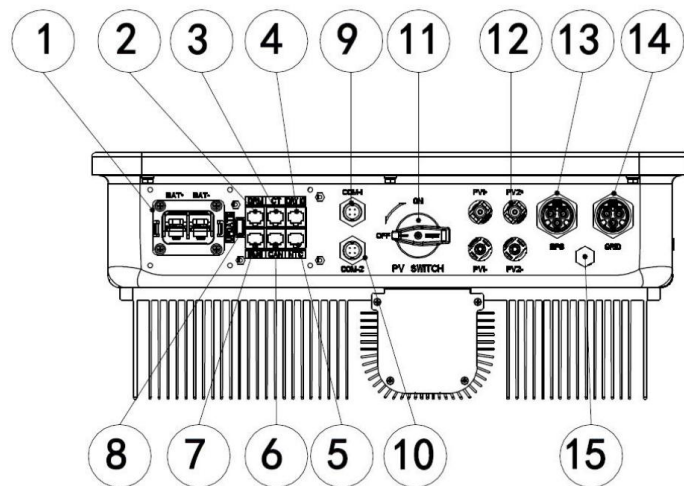## Simple home storage scenario

PCS Control Panel

Key elements

① **Invter** : INVT iMarsXD6KTL

② **Interconnection cable**：Customized communication cable

③ **Battery**：The Li-ion Battery Pack composed of 16 strings of cells

Object	Description
1	Green light
2	Yellow light
3	Red light
4	LCD screen
5	Return key
6	Enter key
7	Up key
8	Down key

PCS Interfaces

No:	Paraphrase	No:	Paraphrase
1	Battery terminal blocks	2	RJ45 interface for DRMs (Australia)
3	RJ45 interface of CT	4	Dry contact&(parallel communication)
5	CAN2(parallel communication)	6	CAN1(parallel communication)
7	BMS communication	8	USB port (software upgrade)
9	COM-1(RS485/WIFI/GPRScommunication)	10	USB port (software upgrade)
11	PV input DC switch	12	PV input
13	EPS output terminal	14	Grid terminal blocks
15	Breathable valve		

Connection Between PCS and BMS
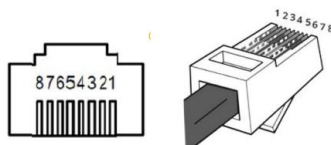
Inverter pin	Defined declaration
4	CAN-L
5	CAN-H

PCS Side
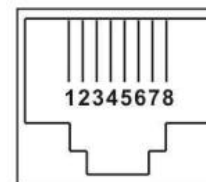
PIN1	RS485-B
PIN2	RS485-A
PIN3	GND
PIN4	CAN-H
PIN5	CAN-L
PIN6	GND
PIN7	RS485-A
PIN8	RS485-B

BMS Side
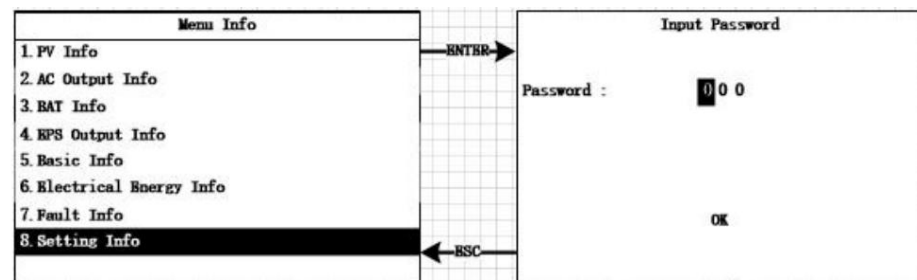
①

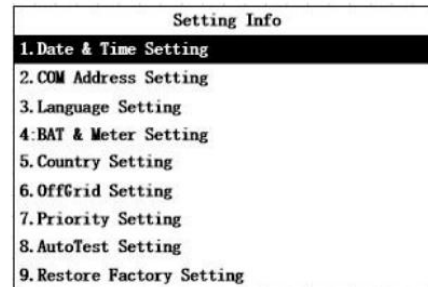1.Check system connection conforms
2.**Turn on** the AC power switch
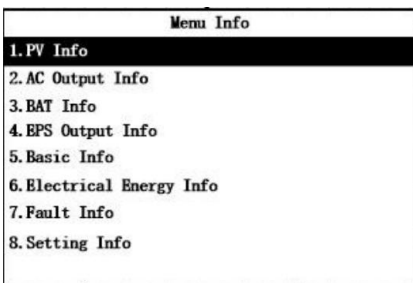
Press "←┘" -->**settings interface**

②
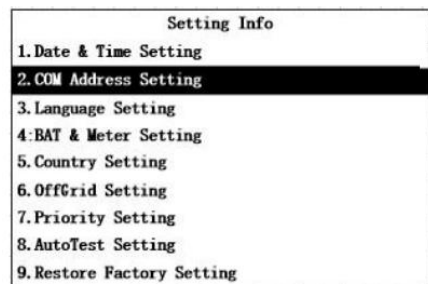
③

"8.Setting Info"-->"Password" ***

④
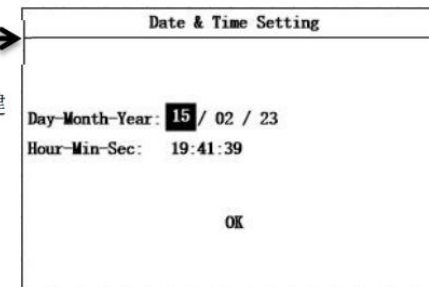
Set the time
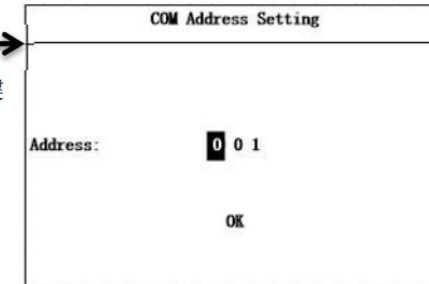
⑤

Set the mailing address

Bat & Meter Setting

Sensor:	Meter
BAT Mfr:	**ATL**
Charge Curr:	60A
Discharge Curr:	60A

OK

按"确认"键

Bat & Meter Setting

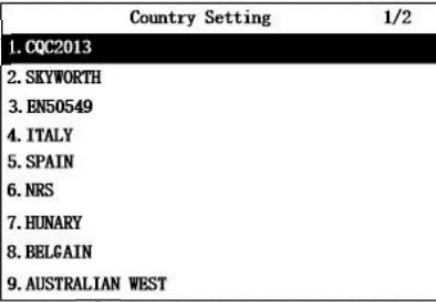| Sensor: | Meter |
BAT Mfr:	ATL
Charge Curr:	**60A**
Discharge Curr:	60A

OK

⑥

"Sensor" -->CT communication

protocol -->PYLON

Setting Info

1. Date & Time Setting
2. COM Address Setting
3. Language Setting
4. BAT & Meter Setting
5. Country Setting
6. OffGrid Setting
7. Priority Setting
8. AutoTest Setting
9. Restore Factory Setting

Country Setting 1/2

1. CQC2013
2. SKYWORTH
3. EN50549
4. ITALY
5. SPAIN
6. NRS
7. HUNARY
8. BELGAIN
9. AUSTRALIAN WEST
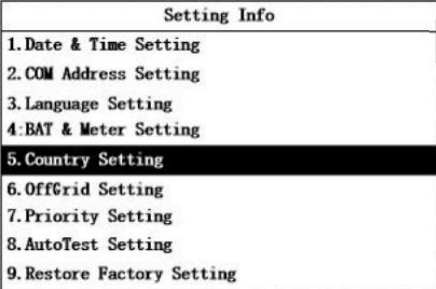
⑦

"5.Country Setting" -->set the grid format to TAIWAN

Setting Info

1. Date & Time Setting
2. COM Address Setting
3. Language Setting
4. BAT & Meter Setting
5. Country Setting
6. OffGrid Setting
7. Priority Setting
8. AutoTest Setting
9. Restore Factory Setting

OffGrid Setting

Off Grid:	**Enable**
AC Volt:	231V
AC Freq:	50Hz

OK
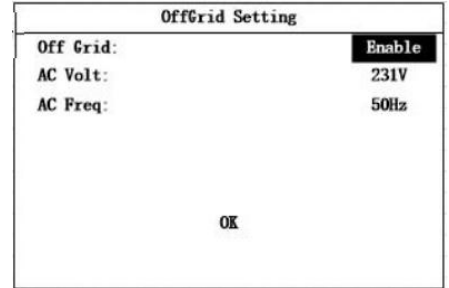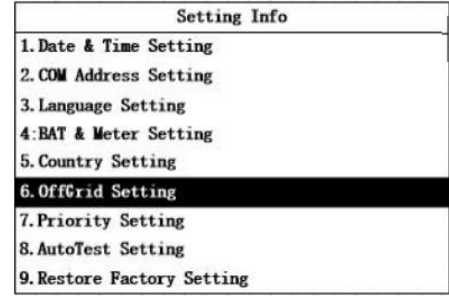
⑧

"6.OffGrid setting"-->"Off Grid"--"Enable"
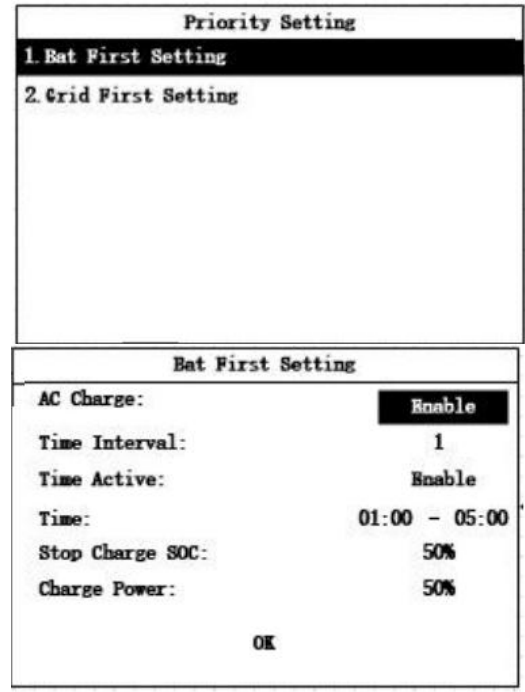Set the AC parameters

Matching Setting of Inverter and BMS-3

⑨

⑩

"**7.Priority Setting**"--> "**BAT first Setting**" (battery priority mode）

Turn on the AC switch to set the charging period from 01:00-23:59 to charge for 24 hours