

Connect the cables and set the DIP Switch

1.Connect the power cables between inverter and battery or the Busbars . See the Figure 2.1.7.1 to check the position of Luxpower Battery Connectors.



Figure 2.1.7.1 Luxpower Battery Connectors

2.A standard ethernet cable can be used for the communication since Luxpower inverter pin assignment is the same as Pytes E-BOX battery.



Figure 2.1.7.2 Luxpower ethernet cable

Plug in the battery end into the **CAN Port** of the Pytes E-BOX battery and plug in the inverter end into Luxpower **BAT COM Port** as shown in the Figure 2.1.7.3.





3.Set the battery DIP switch as shown in the Figure 2.1.7.4



Figure 2.1.7.4 Luxpower DIP switch setting

Set the inverter

After battery power cable and communication cable connection, users need to enter Advanced settings and choose Battery type and brand on the inverter LCD. After you choose the right battery protocol, the communication will be build in 1-2 minutes.



STEP 1 Touch the **Setting icon** of screen.

Figure 2.1.7.5 Home page

STEP 2 Touch **Advanced** and turn down a page ,then choose **2:Lithium** in Battery type.



Figure 2.1.7.6 Advanced setting page

Basic	Grid type	240V/120V	~	Grid Freq	60 v	Set
Charge	Grid regulation	UL1741&IEEE1	547~ Re	econnect time(S	S)	
	HV1 V	S HV2	V	S HV3	V	S
Discharge	LV1 V	S LV2	V	S LV3	V [S
Advanced	HF1 Hz	S HF2	Hz	S HF3	Hz	S
Advanced	LF1 Hz	S LF2	Hz	S LF3	Hz	S
Debug	Battery type	2:Lithium	~		Set	
Device info.	Lithium brand		~ Lea	d capacity(Ah		^
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Figure 2.1.7.7 Advanced setting page

STEP 3 Choose Lithium brand. The password is required to select the battery brand. Password is **00000**. Pytes battery should choose **Lithium_6**.



Figure 2.1.7.8 password input page

0:Lithum_0	1:Lithum_1	2:Lithium_2	3:Lithium_3
1:Lithium_1	5 Lithium_5	6:Lithium_6	7.Lithium_7
8.Lithium_8	9:Lithium_9	10 Lithium_10	Resvd
12 Lithium_12	13:Lithium_13	14:Lithium_14	15:Lithium_15
Resvd	17 Lithium_17	18:Lithium_18	19.Lithium_19
Resvd	Resvd	Resvd	Resvd
Resvd	Resvd	Resvd	Resvd
Resvd	Resvd	Resvd	Resvd

Figure 2.1.7.9 Choose battery brand page(choose Lithium_6).

STEP 4 If battery communicate with inverter successful, battery page will show the specific SOC of battery. Home page battery icon will turn to green (if communication fail , battery icon will turn to red).

Solar	Vbat	52.6V	Ibat	-1.2A
	Pchg	OW ·	Pdischg	123W
Battery	Vbat_Inv	51.9V	BatState	3
	SOC/SOH	53% / 100%	CycleCnt	1
Grid	Vchgref	56.0V	VcutVolt	45.5V
	Imaxchg	50.0A	Imaxdischg	50.0A
UPS	Vcellmax	3.291V	Vcellmin	3.285V
	Tcellmax(°C)	27.0	Tcellmin(°C)	27.0
Other	BMSEvent1	0	BMSEvent2	0
	Echg_day	0.0kWh	Edischg_day	0.0kWh
	Echg_all	0.0kWh	Edischg_all	0.0kWh

Figure 2.1.7.10 battery information page



Figure 2.1.7.11 Home page

Monitor System Setup

Users can use a WiFi/ WLAN /4G /2G dongle to monitor their inverter, and view the monitoring data on a computer or smart phone remotely.



To view data on smart phone, please download APP from the Google Play or Apple APP store, then login with their user account.Please refer to <u>Luxpower</u> <u>inverter manual</u> for more settings.





For Android

For IOS