

Installation and configuration manual With selectronic

Pytes Lithium Battery E-BOX series

With selectronic Inverter





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BOM LIST

Before installation, you should prepare following items.

Item	Remarks	Quantity
Power Cable (DC)	 Conductor cross-section: 50 mm² to 95 mm² 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	48100R series /4850	Depends on the number of batteries and the connection method
Inverter	selectronic	1

Definition of RJ45 Port Pin for BMS is as follow.

Click <u>here</u> to tell the version of 48100R you have.

CAN port definition

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

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 selectronic inverter.







Pyt₂s

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 to the battery as shown Pic

1.1.2. (Ensure that the battery power switch is off)



Pic 1.1.2

2. Communication Cable Connection

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.





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)

Pyt₂s

ON ON	2	SW R	UN ALM	SOC		E-BC
OFF		Console				
					4	-

Pic 1.2.2

3. Set The DIP Switch

Set the DIP switch as shown in Pic 1.2.3.

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

Pic 1.2.3

4. Start up the system

Restore the cover plate of the inverter, 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.

Connect the host computer cable from the inverter to the laptop.



Pic 1.5.1





Pic 1.5.2

Step2.

Go to selectronic https://www.selectronic.com.au/splink/and download

the SP LINK.



Pic 1.5.3



名称	修改日期	类型	大小			
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Pic 1.5.3

Step 3.

Connect and select the protocol.

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Pic 1.5.4



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Pic 1.5.5

Step 4.

Set the parameters of the battery on the inverter. Please check the

battery E-BOX 48100R user manual for detailed

parameters

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				[<ref b=""> - 70 °C]</ref>		
				**		

6.Check the battery data on inverter

Step.1

Touch the Quick View can see the battery data.

💻 test 0 - Selectronic SP LINK				- 0 ×
<u>File</u> <u>Connection</u> Performance <u>D</u> a	ata <u>H</u> elp		Connected to USB 00:16:38 29/02/2024 - 16	s:59:40 😂 🍘
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Pic 1.6.1

Step.2

Click the Data View can see detail datas.

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Output Mode On	AC Load Power 0.00 kW	Battery SoC % 82.0 %	Power 0.00 kW	Total Power Inverter Offline	Solar Hybrid Active None	
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enerator Status Disabled	AC Load Frequency 50.00 Hz	Battery Current -0.5 A	Voltage 4 V		Grid Export Limit 15.00 k¥	
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		15 min Battery Load 0.00 kW	Inverter AC Power 0.00 kW	Total Capacity Inverter Offline	Grid Disconnect Status Grid allowed	
		Charging Mode Initial	Current 0.0 A		Power Override Target Inactive	



-END-