QUICK INSTALLATION GUIDE

LITHIUM SERIES 48V 5,1kWh Slim

+

INVERTER VOLTRONIC
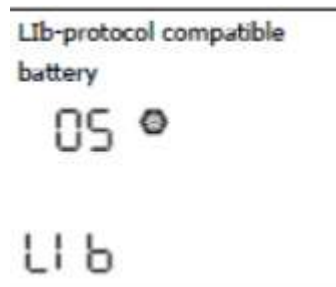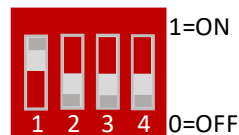
1. INVERTER VOLTRONIC VMIII configuration

In the Inverter menu it is necessary to change **parameter 5** to the LIB **configuration.**

Lib-protocol compatible
battery

05 ⚙

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Each module has 4 DIP (Dual Inline Package) switches that will be configured differently depending on the number of batteries to be connected

1=ON

1 2 3 4 0=OFF

Address	Dial switch position				Explain
	#1	#2	#3	#4	
1	ON	OFF	OFF	OFF	Pack1/Master
2	OFF	ON	OFF	OFF	Pack2
3	ON	ON	OFF	OFF	Pack3
4	OFF	OFF	ON	OFF	Pack4
……					

Any changes to the DIPs must be made with the battery turned off.

2. WIRING Configuration (Voltronic VMIII)

The cable needed to make the connection is the **RJ45** between the battery group and the Inverter is a special cable that is composed of 8 smaller cables each with a different color configuration. Inside the battery case is the communication cable with the corresponding labeling.
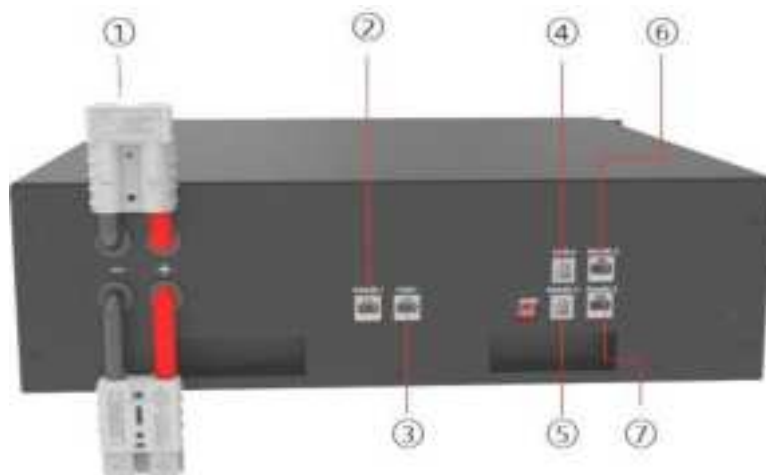
Cable configuration Voltronic

The cable connects to the RS485-2 port, the number 6 in the lower picture.

Inverter		Battery
1 ○		○ 1
2 ○		○ 2
3 ○ RS485A		○ 3
4 ○	RS485A	○ 4
5 ○ RS48AB	RS48AB	○ 5
6 ○		○ 6
7 ○		○ 7
8 ○		○ 8
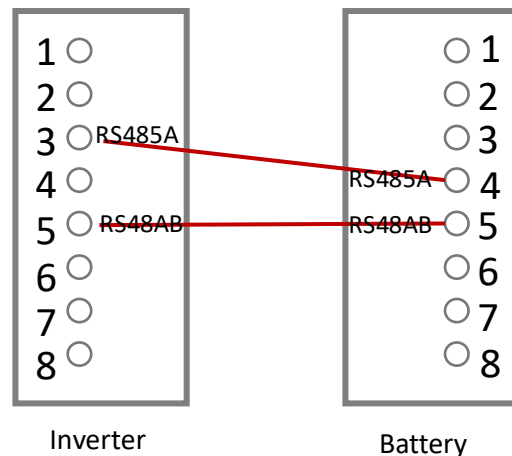
Inverter   Battery

3. Configuration <u>Without Communications</u> Voltronic MKS (Can also be used in le Voltronic VMIII).

To make a correctly configuration, just four parameters must be changed: 5, 26, 27 and 29. These changes are made from the inverter's own display.

PARÁMETRO	CONFIGURACIÓN
5	USE
26	56,8 V
27	56,4 V
29	43,2 V

A. DIP configuration

When the battery works by voltage, it is not necessary to communicate the batteries with each other or select a certain DIP configuration.

1.   Connection of the batteries

Each power cord can carry a maximum of 120 A, so every two batteries a new cable would need to be connected to the inverter. However, if the inverter is 5 kW with a cable it would be sufficient to be within the limit of the maximum recommended current.