TURBO ENERGY
SOLAR INNOVATION

QUICK INSTALLATION GUIDE

BATTERY LITHIUM SERIES 48V 5,1kWh
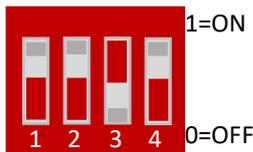
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INVERTER VOLTRONIC

1. INVERTER VOLTRONIC VMIII configuration

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

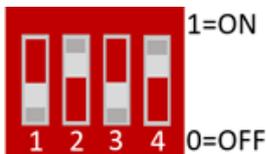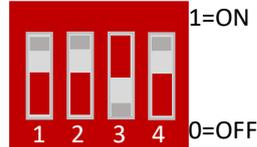The battery DIP switch settings are as follows:

- One battery:
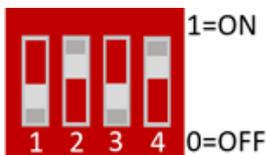

1=ON

1 2 3 4   0=OFF

- Two batteries:

Master batteries:

1=ON

1 2 3 4   0=OFF

Bottom battery:

1=ON

1 2 3 4   0=OFF

- 3 or more batteries:

Master batteries:

1=ON

1 2 3 4   0=OFF

Middle batteries:

1=ON

1 2 3 4   0=OFF

Bottom battery:

1=ON

1 2 3 4   0=OFF
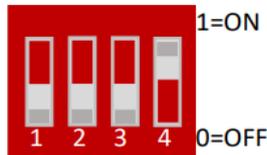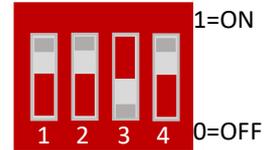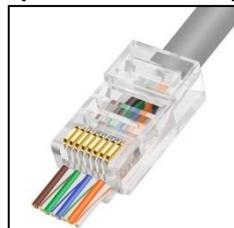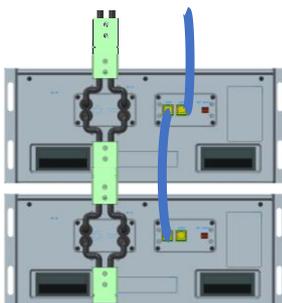
Any changes made to the DIPs must be made with the battery off.

2. WIRING configuration (Voltronic VMIII)

The cable necessary to make the connection is the **RJ45** between the battery group and the Inverter, it is a special cable that is made up of 8 smaller cables each with a different color configuration.

To inverter

Connection diagram Inverter battery. The wire battery connection supplied with it.

1 ○	Or/W ○ 1
2 ○	Or ○ 2
3 ○ Bl	G/W ○ 3
4 ○	Bl ○ 4
5 ○ Bl/W	Bl/W ○ 5
6 ○	G ○ 6
7 ○	Br/W ○ 7
8 ○	Br ○ 8
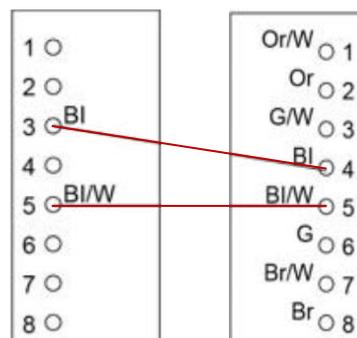
|	CN1 (INVERTER)				CN2 (BATTERY)			
	1 **0**				1 **0**	Orange/White		
	2 **0**				2 **0**	Orange		
	3 **0**	Blue			3 **0**	Green/White		
VOLTRONIC	4 **0**				4 **0**	Blue		
	5 **0**	Blue/White			5 **0**	Blue/White		
	6 **0**				6 **0**	Green		
	7 **0**				7 **0**	Brown/White		
	8 **0**				8 **0**	Brown		

3. Configuration without communications Voltronic MKS (it can also be used in the Voltronic VMIII).

To correctly configure the inverter, it is only necessary to change four parameters: 5, 26, 27 and 29. These changes are made from the inverter's own display.

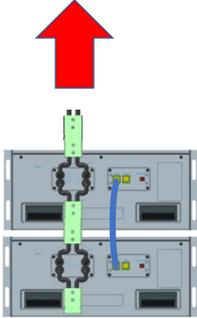| PARAMETER	CONFIGURATION
5	USE
26	55 V
27	55 V
29	48 V

A. DIP configuration

The configuration of the DIP switches of all the batteries that are connected must ALWAYS be like this:
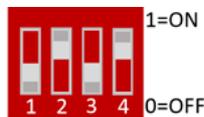
Any changes made to the DIPs must be made with the battery off.

B.   Battery connection

To inverter

NOTE: Each power cable can carry a maximum of 100 A, so every two batteries a new cable would be needed to be connected to the inverter. However, if the inverter is 5 kW, with one cable it would be enough since it is at the limit of the maximum recommended current.