

# **Application Note – How to connect BL3.6 battery to KODAK OG inverters**



The following guide explains the set-up and configurations of the BL3.6 48V Li-ion battery with the KODAK OG 48V inverter models.

Please ensure that the inverters and batteries are updated to the latest firmware version.

### Required

- RS485 cable - This cable is included with all KODAK OG inverters

### Step one

Connect the power cables to the negative and positive battery terminals shown on figure 1 below.

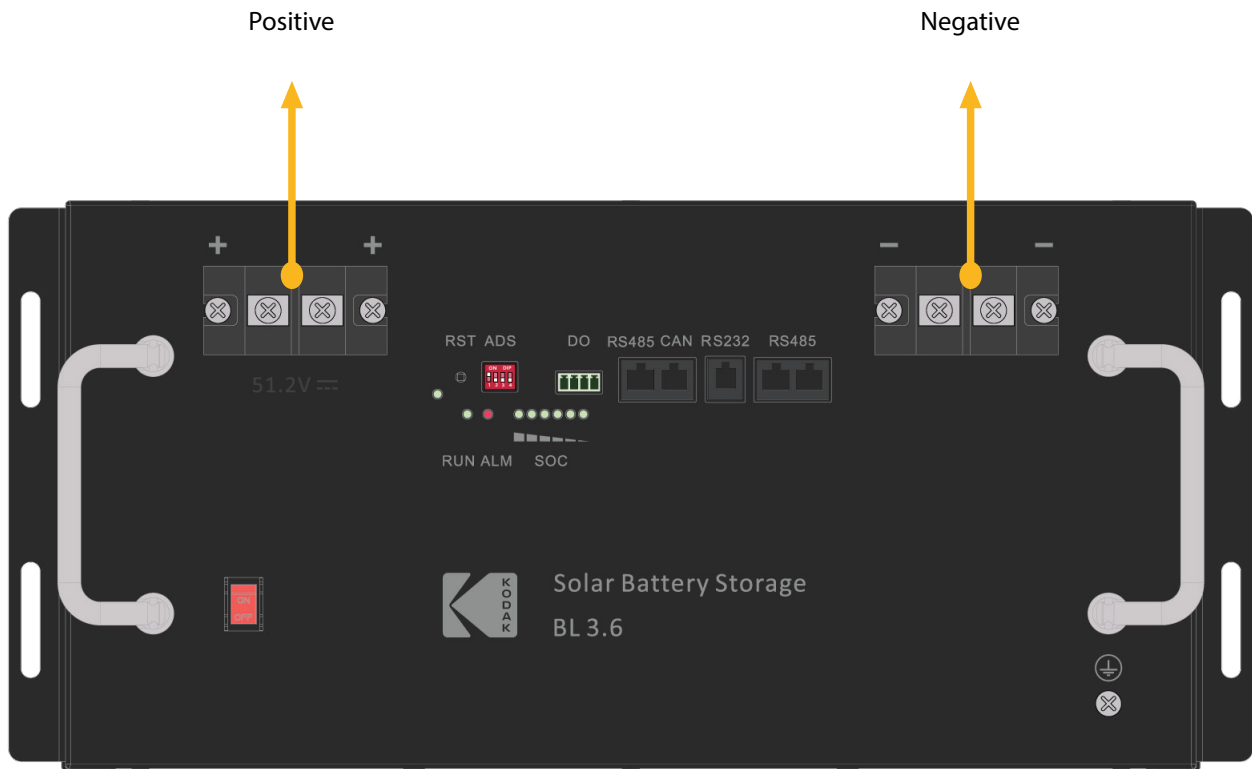


Figure 1: Battery power cables connection

### Step two

Connect the communication cable (Battery end) into the most left RS485 port of the battery indicated on figure 2.

The BMS cable is included with the KODAK OG inverter in the box.

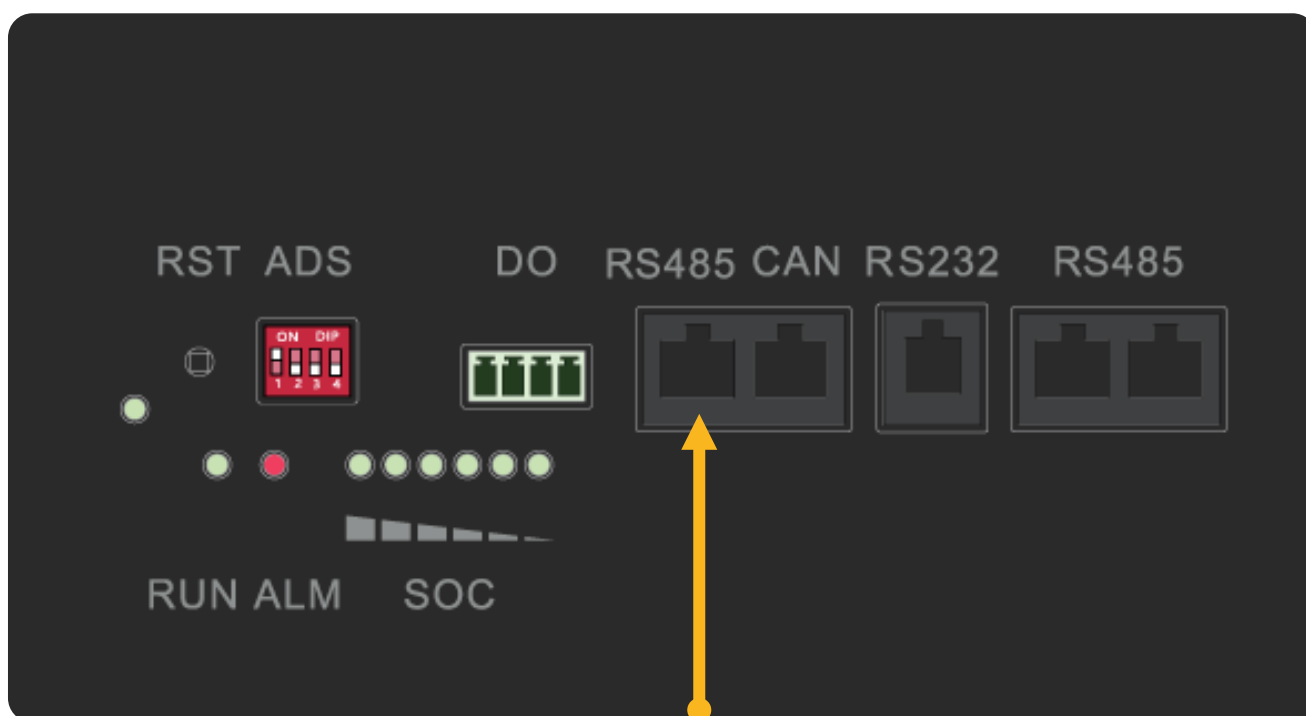


Figure 2: RS485 port for BMS communication

Connect the inverter side of the communication cable to the Li-Ion port of the inverter indicated on figure 3.



Figure 3: RS485 port of inverter

### Step three

- DIP Switch Definition and Description

Set the master batteries dip switch 1 to the ON position (up), for the first slave batteries set dip switch 2 ON, for the second slave batteries set dip switch one and two to ON, for the third batteries set dip switch 3 to ON (see illustration below).



Figure 4: DIP switch configuration

Maximum of 15 batteries in parallel is supported, and the address codes for each battery must be different.

#### Step four

Using the switch shown below, switch on your battery. Monitor the LEDs, they should be solid. When the LEDs start flashing, turn on the inverter.

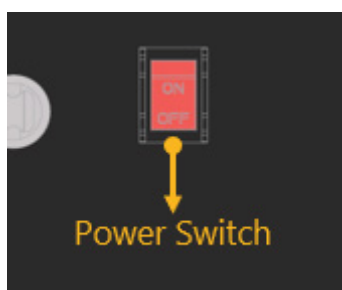


Figure 5: Battery power switch

#### Step five

Enter the programming menu following the user manual of the inverter. Navigate to program 05 and select PYL. This will ensure successful BMS communication.