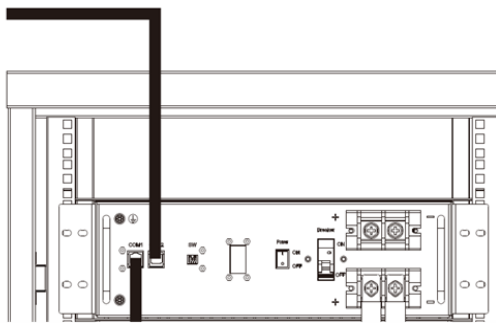# Giter & Kodak OG Guide

INV COM

The following is a guide on how to install Giter with Kodak OG inverters.

Parts required:
- Giter battery
- BMS cable available on the Segen portal: GITER-RS-3M
- Compatible Kodak OG inverter

Connection:
Please plug the BMS cable into the COM2 port like indicated.

Then connect the other end of the cable to the inverter Li-Ion port.

CN1   CN2

RJ45 connector
on the battery side

RJ45 connector
on the inverter side
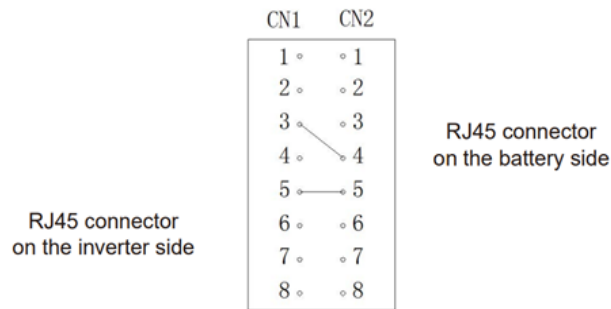
It is strongly recommended that the BMS cable is purchased from Segen, the cable is shielded and offers more protection against noise that could interfere with BMS communications. The pin outs of the cable are as follow.
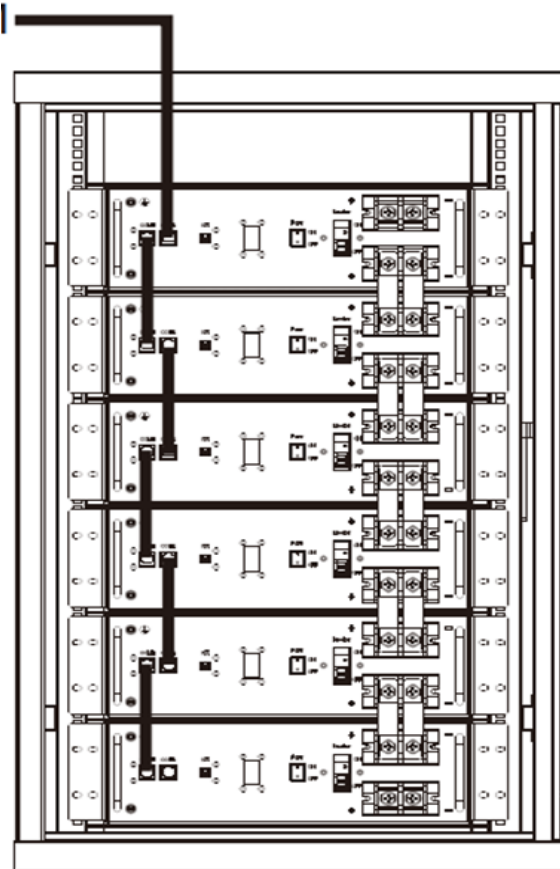
Single operation:

The DIP switch should be as follow only when a single battery is in the bank: 0101

Single battery deployments are only recommended when the Giter battery is paired with the Kodak OG1.24 inverter.

0 means the switch is DOWN
1 means the switch is UP

ON WE
1 2 3 4
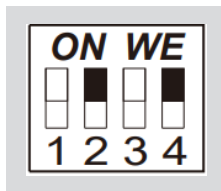
Parallel operation:
When connecting batteries in parallel please follow the follow diagram as below.
This diagram can also be found in the installation manual on the Segen portal.

Please note: It is important that the DIP switches are set as indicated.
The DIP switches for the first and last battery in the bank must be 0101.
All the batteries in between the first and last must be set to 0001

The DIP switch are illustrated on the next page.

Failure to set the DIP switches will result in a failure of communication.

The parallel communication cables and busbar links are included with each battery.

No of batteries	Battery 1	Battery 2	Battery 3	Battery 4	Battery 5	Battery 6
1x G2500-XX	ON WE / 1 2 3 4					
2x G2500-XX	ON WE / 1 2 3 4	ON WE / 1 2 3 4				
3x G2500-XX	ON WE / 1 2 3 4	ON WE / 1 2 3 4	ON WE / 1 2 3 4			
4x G2500-XX	ON WE / 1 2 3 4	ON WE / 1 2 3 4	ON WE / 1 2 3 4	ON WE / 1 2 3 4		
5x G2500-XX	ON WE / 1 2 3 4	ON WE / 1 2 3 4	ON WE / 1 2 3 4	ON WE / 1 2 3 4	ON WE / 1 2 3 4	
6x G2500-XX	ON WE / 1 2 3 4	ON WE / 1 2 3 4	ON WE / 1 2 3 4	ON WE / 1 2 3 4	ON WE / 1 2 3 4	ON WE / 1 2 3 4

Power

ON

OFF

LED outer light

State

Switching the system on and settings:
Now that all your connections are correct, we will have to switch the batteries on and program the inverter.

Please follow the following steps:
1.
Switch on the internal BMS of the batteries by pressing the rocker switch on until the green battery indicator comes on.

2.
Now the SOC lights on the batteries will turn on. Please wait for the outer ring of the SOC light to stop flashing every 3 seconds. Once the batteries have stopped flashing constantly, the outer light will now flash every 10-15 seconds.
This means the battery is now on.

Breaker

ON

OFF
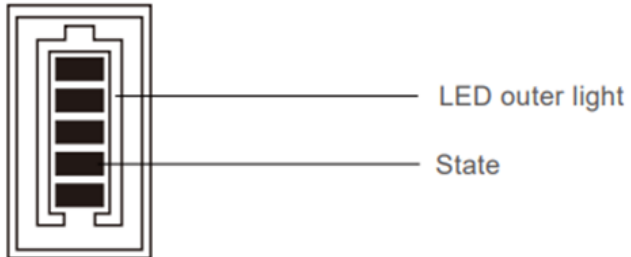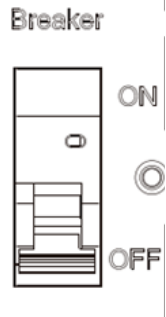
3.
Ensure the inverter is off and your Gird/PV and output is also switch off.
Now it is safe to switch on the output of the batteries. This is done by switching on the breaker of each battery individually.

4.
Please switch on the inverter by its power button/switch.
Enter the programming menu by holding in the function key for 5 seconds.
Once in the menu, use the arrow keys to navigate to program 05.
Enter the program using the enter function key and change the setting with the arrow keys until **LiB** shows.
Exit the menu.
In 2-5 minutes the battery icon on the inverter will flash once a second.
This means that the inverter and battery has successfully established communication.

It is now safe to switch on the PV/Grid and output of the inverter.

The following LED indicator may appear in new installation with multiple batteries. This is due to the batteries having different charge levels.

This indicator will not affect the systems performance.

8   Battery charged to limited

Troubleshooting:

Inverter shows error 61:
- Please ensure the correct BMS cable is used.
- Ensure the correct program on 05 is selected (LiB)
- Ensure the DIP switches are correct on the battery bank