

## Downloading the BMS software & installing RS485 Driver:

- 1- Read the attached BMS software user manual.
- 2- Download the attached BMS software compressed file **PT48xxA HMI \_V2.1.8** (need to unzip file depending on computer software).
- 3- Download the RS485 USB driver onto your computer (need RS485 USB driver software).
- 4- Connect RS485 USB lead with computer. Check if installed driver on your computer (see attached PDF).
- 5- Connect the batteries with RS485 USB lead and computer. Turn on the battery. Put Dip switch 1 up.
- 6- Open the BMS software (**PT48xxA HMI \_V2.1.8**) bin file, as shown in the user manual.
- 7- Update the BMS software with the **.s19** file as shown below if you use RS485 Communication /Growatt SPF off-grid inverter or choose the inverter brand as shown below.

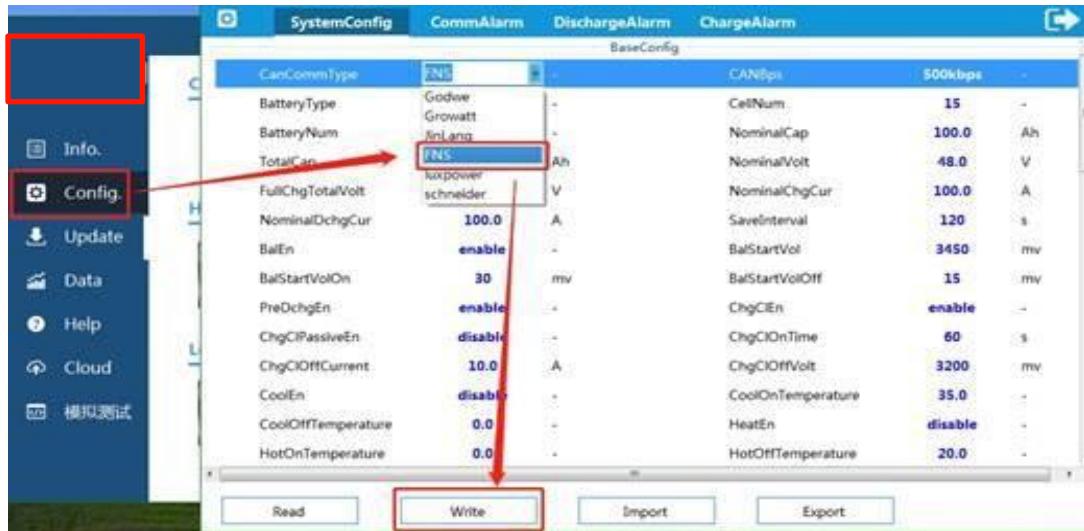
## Updating the battery BMS to suit Growatt SPF off-grid inverter

Save **.s19** file we sent you in your computer. Update the BMS program by opening the **.s19** file then download. Waiting until the battery restart again.



## Choosing the battery BMS to suit the inverter you will be using

Go to Config—system Configure—Can Comm type. select the right inverter you use just for CAN communication. FNS means Sol-ark Inverter.



Job done!

Make the right communication cable (Pin 1 B &2A for RS485, Pin 4 H & 5L for Can Communication). After connecting the inverter, the parameter settings on the inverter will need to be changed according to the customers' requirements.