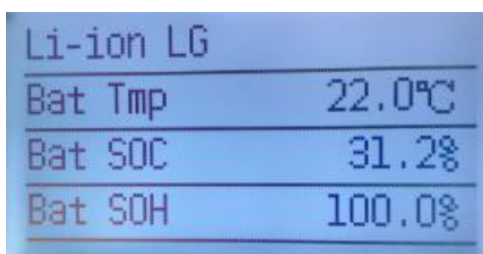


Battery not charging and discharging

After checking wiring correctly and commissioning, if the battery is not charging or discharging without any error codes showing on the inverter, please follow the below processes.

Battery not charging

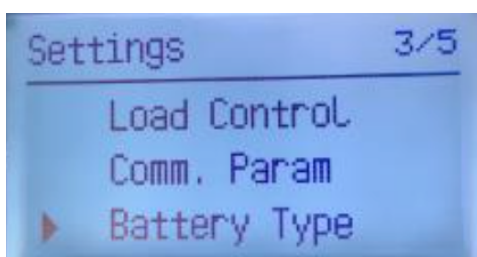
1. Check the SOC of the battery. It is correct that the battery does not charge if the SOC is **100%**.



Li-ion LG	
Bat Tmp	22.0°C
Bat SOC	31.2%
Bat SOH	100.0%

2. Check whether the PV power is sufficient. The battery will not charge under normal charge management mode if the load power is more than the PV power. It will not start charging if the excess PV power is less than 150 W (in which case it will be exported to the grid instead).
3. Check the settings of battery type and battery capacity.

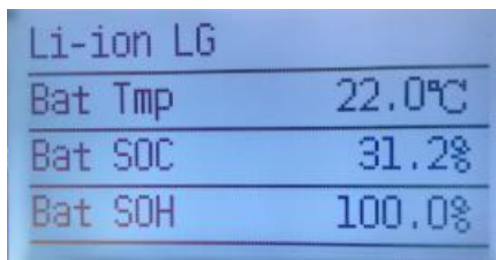
Note: Key-stop the inverter (select 'OFF' on the LCD screen) first before checking the settings. For 'other lead acid battery', check the parameter settings according to the battery specifications.



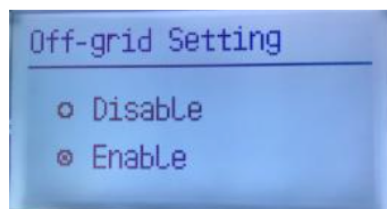
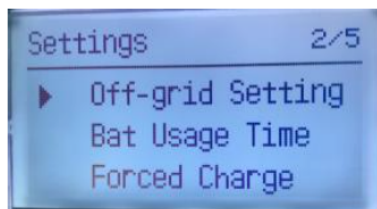
4. Is the battery in maintenance mode (only for lead acid battery) ? It will show 'maintain' on the main screen of the LCD.

Battery not discharging

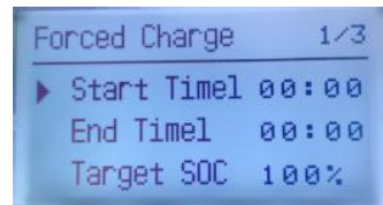
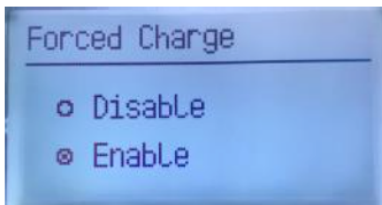
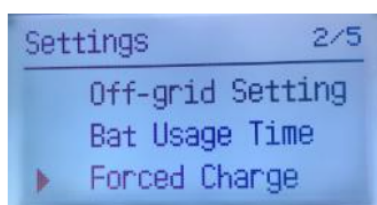
1. Check the SOC of the battery. It is correct that the battery does not discharge if the SOC is 0%.



2. Check whether the PV power is sufficient. The battery will not discharge under normal charge management mode if the PV power is more than the load power. It will not start discharging if the import power is less than 150 W.
3. Check the Reserved Capacity of battery (called 'Backup SOC' in the earlier firmware version). The battery will not discharge when the Reserved Capacity (backup SOC) is reached when the grid is on. The default value should be 0%.

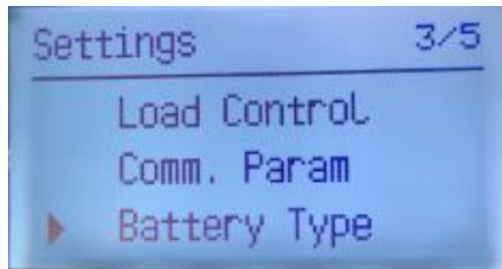


4. Check the 'Forced charge' setting. The battery will not discharge in the time period of the 'Forced Charge' is applied.



5. Check the settings of battery type and battery capacity.

Note: Key-stop the inverter (select 'OFF' on the LCD screen) first before checking the settings. For 'other lead acid battery', check the parameter settings according to the battery specifications.



6. Is the battery in maintenance mode (only for lead acid battery) ? It will show 'maintain' on the main screen of the LCD.