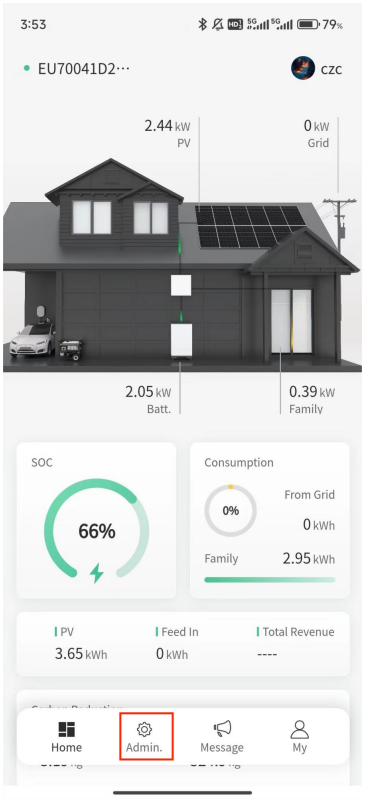
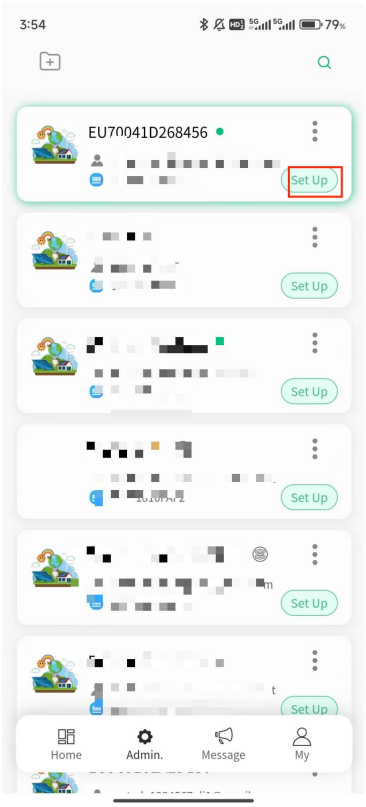
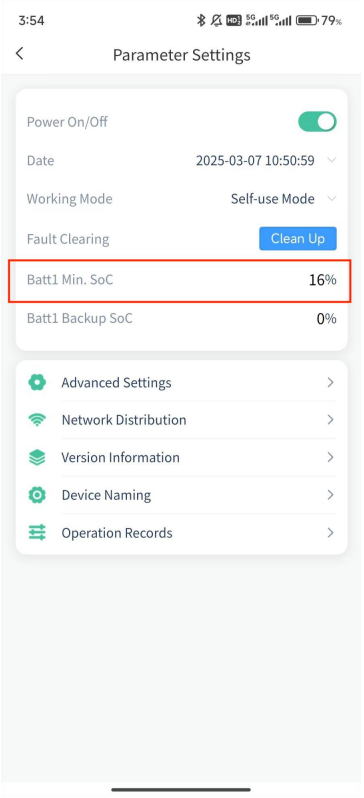
Battery SOC related settings

1.Minimum SOC

This setting item is used to limit the battery's discharge cut-off SOC. The setting method is as follows

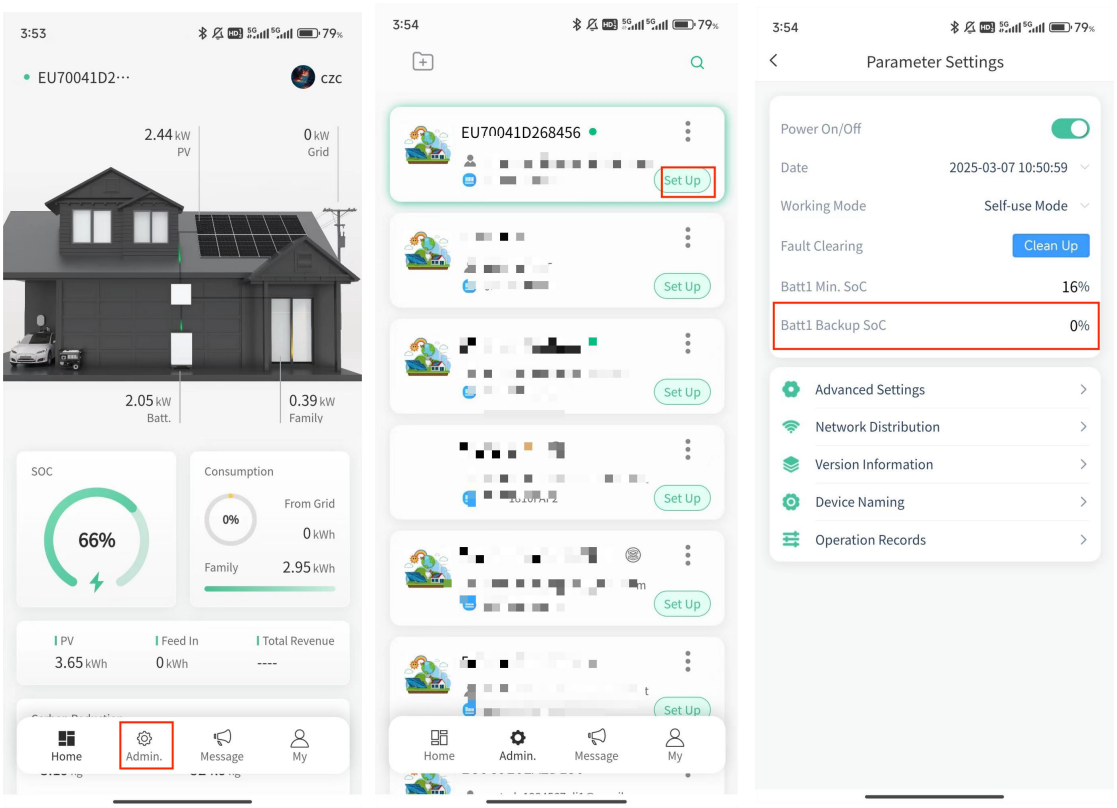






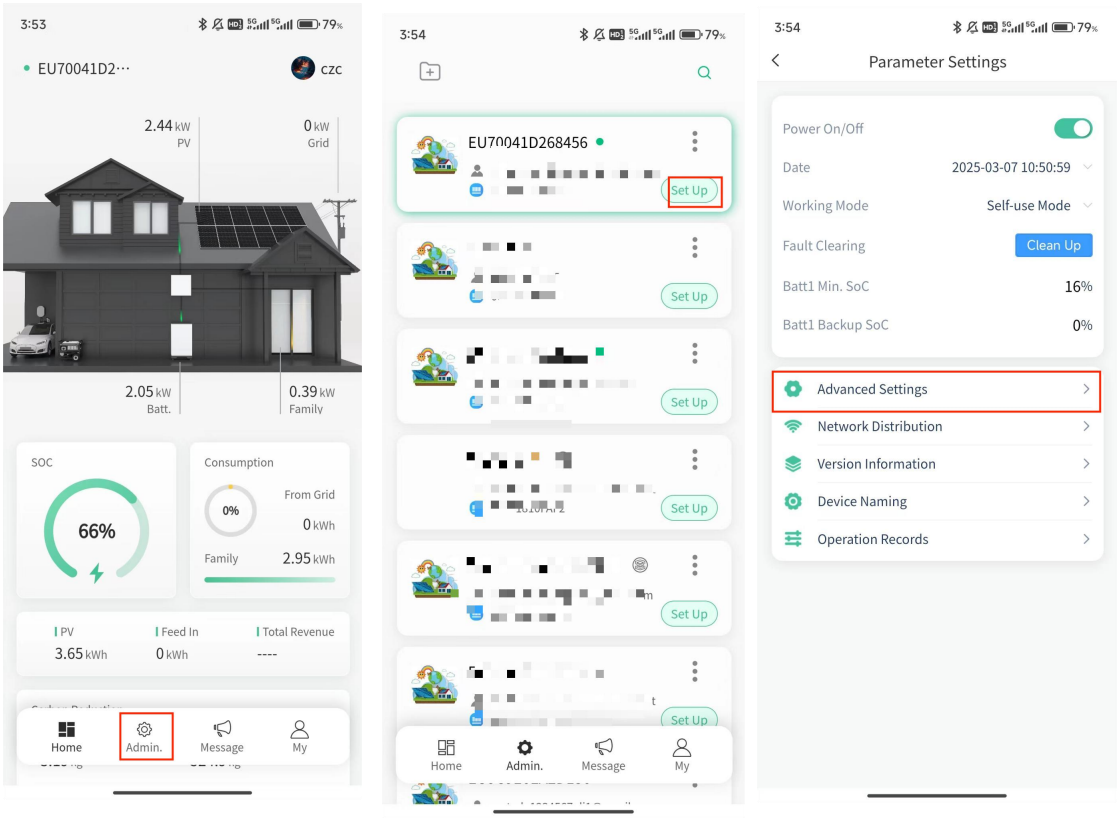
2.Backup SOC

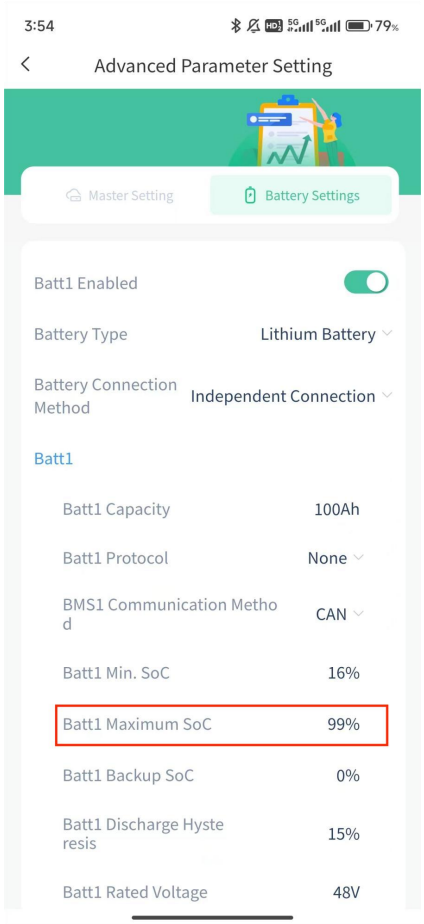
This setting value is used to limit the battery discharge cut-off SOC when connected to the grid. When there is a grid, the battery SOC drops to the backup SOC and the discharge is prohibited. When off the grid, the battery is allowed to discharge to the minimum SOC. The setting method is as follows



3.Maximum SOC

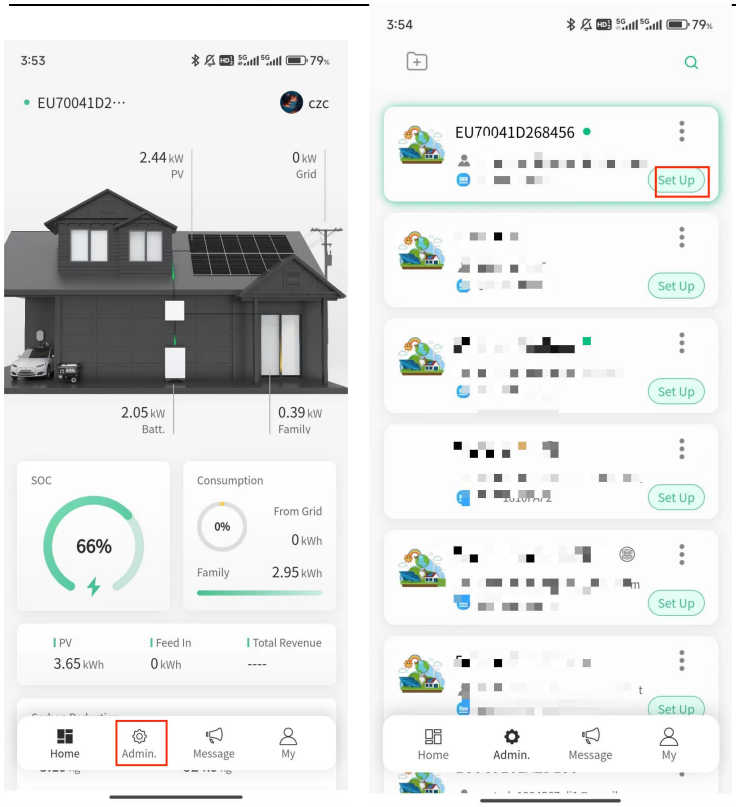
This setting is used to limit the battery's charge cutoff SOC. The setting method is as follows

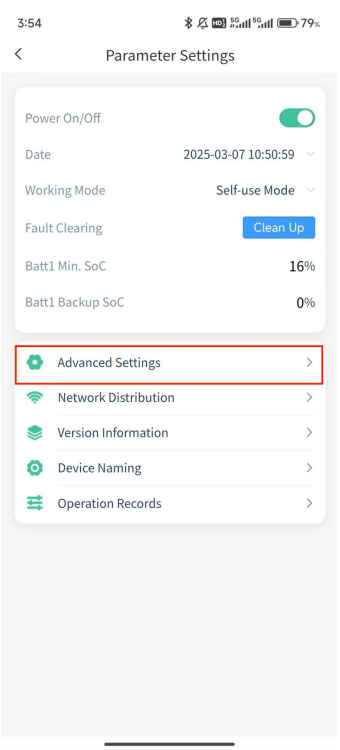


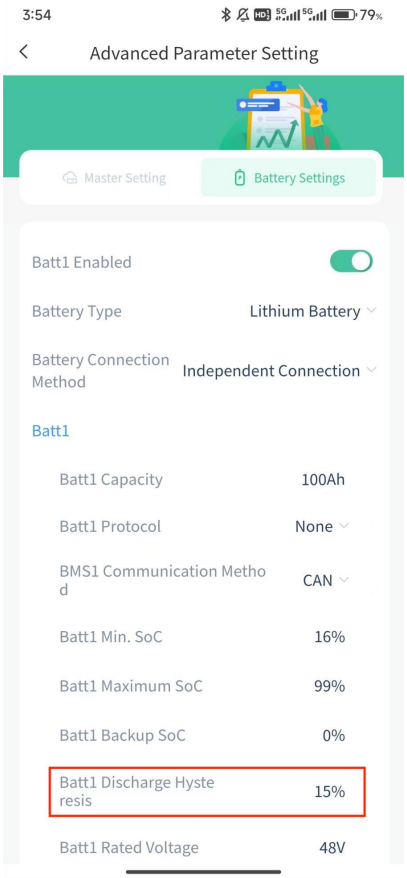


4.Discharge hysteresis

When the battery stops discharging after it reaches the minimum SOC, it needs to be charged to the set minimum SOC + discharge hysteresis value before it can continue discharging. The setting range of the discharge hysteresis value is 5%-50%. This setting is to prevent the battery from switching between charging and discharging frequently, which will affect the battery life. The setting method is as follows







The above four settings are all for lithium battery SOC and are not effective for lead-acid batteries and supercapacitors.