Voltage Balancing

BTMS provides a voltage balancing function that allows the battery string to maintain optimal active status, thereby enhancing battery backup time and operational lifespan.

When the battery string is in a floating status and the balancing function is enabled, BM-SS will initiate the balancing process once the set balancing period is reached (2 minutes).

It calculates the balance for all batteries in the string. If the voltage deviation exceeds the set threshold, BM-SS will send a balancing command to the four battery cell sensors with the highest voltage.

Upon receiving the balance command, each BM-CS cell sensor's LED will flash three times consecutively to indicate balancing discharge. The discharge current for balancing is 200 mA, and the balancing process typically takes about 1 minute.