

ABSTRACT

LEAD BATTERY APPARATUS, UNINTERRUPTABLE POWER SUPPLY
APPARATUS, POWER SUPPLY SYSTEM, CHARGE/DISCHARGE CONTROL
APPARATUS, AND CHARGE/DISCHARGE CONTROL METHOD

With a conventional pulse charging method, a low voltage value for the pulse voltage is set to zero volts. When the low voltage value is low in this manner during charging, there is a problem that the negative pole of a secondary battery deteriorates. Provided is a secondary battery apparatus including a secondary battery and charge/discharge control apparatus that controls charging and discharging of the secondary battery. The charge/discharge control apparatus repeatedly performs, in an alternating manner, high voltage charging of applying a pulsed high voltage to the secondary battery and low voltage charging of applying a low voltage that is higher than 0 V and lower than the high voltage to the secondary battery.

(Fig. 1)