Claims

1. A battery controller comprising:

a first calculator configured to calculate limit values of the amount of the power at time intervals that are shorter than a predetermined time period, by using a respective command value or a respective planned value of the amount of the power for each of the predetermined time periods as a limit value of the amount of the power at an end of each of the predetermined time periods; and

a controller configured to control, at the time intervals, at least one of charge and discharge of a rechargeable battery to suppress the power from exceeding either the command value or planned value, based at least in part on differences between present values of the amount of power supplied from an electrical power system to equipment and last-held values of the amount of power at the time intervals, and based at least in part on the limit values calculated by the first calculator.

2. The battery controller according to claim 1, further comprising:

a holder configured to hold, at the time intervals, values of the amount of the received power, the received power having been supplied from the electrical power system to equipment that is to be supplied with a power from the rechargeable battery.

3. The battery controller according to claim 1, further comprising:

a second calculator configured to calculate, at the time intervals, the differences between the present values of the amount of power supplied from the electrical power system to equipment and the last-held values of the amount of power.

4. The battery controller according to claim 1, further comprising:

an acquirer configured to acquire command values or planned value of the amount of the received power for the predetermined time periods defined by predetermined time intervals.