

POWER STORAGE DEVICE

ABSTRACT

A power storage device of an embodiment has a power storage element, a table,
5 and a current control unit. A charge characteristic in which any one or more of a first
voltage in which charge is started and a second voltage in which charge is started with a
maximum current are represented and a discharge characteristic in which any one or more
of a third voltage in which discharge is started and a fourth voltage in which discharge is
started with a maximum current are represented are defined in sectional ranges of a
10 charging rate in which a charging rate indicating a range of an amount of charge in which
the power storage element is capable of storing power is divided into some sections in the
table. The current control unit selects a characteristic according to a detected charging
rate of the power storage element from the table, sets each voltage of a selected
characteristic at a control point of a charge/discharge control characteristic for charging
15 and discharging to/from the power storage element, and performs charge and discharge
between a direct-current power supply system and the power storage element through a
converter according to a voltage of the direct-current power supply system in accordance
with the charge/discharge control characteristic.

[FIG.1]

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