

POWER STORAGE DEVICE

ABSTRACT

5 A power storage device in an embodiment includes a power storage element, a
variable voltage source, an interconnection reactor, a current detector, and a control circuit.
The power storage element is connected to a DC electric line having a first electrode and a
second electrode and capable of being charged from and discharging to the DC electric line.
The variable voltage source is connected in series between the first electrode of the DC
10 electric line and a positive electrode of the power storage element and capable of
generating a DC voltage in a range of differences between output voltages of the DC
electric line and the power storage element. The interconnection reactor is connected
between the first electrode of the DC electric line and the variable voltage source. The
current detector detects a current flowing through the interconnection reactor. The
15 control circuit controls the variable voltage source using the current detected by the current
detector to adjust a difference between output voltages of a whole circuit and the charging
element.

Fig. 1

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