

CONTROL DEVICE AND CONTROL METHOD

[ABSTRACT]

A control device that controls an inverter that converts a direct current (DC) voltage from a storage battery into an alternating (AC) voltage, the control device including: a virtual synchronous generator (VSG) controller that control a frequency of the AC voltage so as to have a virtual inertial force; and a Qv controller that controls an amplitude of the AC voltage to reduce a difference between a command value and a measured value in reactive power, wherein the Qv controller determines a control amount of the amplitude of the AC voltage according to a relationship between a frequency band of a Qv control system and a frequency band of a VSG control system, the Qv control system controlling to reduce the difference, and the VSG control system controlled by the VSG controller.

Figure 3