ABSTRACT

The present disclosure provides a vertical power supply system, including: a processor, a mainboard and a vertical power supply circuit, where the vertical power supply circuit includes a PB carrier plate and a PB module; the processor is connected to a first surface of the mainboard through first fixtures, the PB carrier plate is connected to a second surface of the mainboard through second fixtures, for each of the second fixtures, the second fixture corresponds to one of the first fixtures, and the second fixture is connected to the corresponding first fixture by a through hole in the mainboard; the PB module is connected to the PB carrier plate through third fixtures, the PB module is configured to convert an input power supply to a target power supply; the target power supply is configured to supply power to the processor through the third fixtures, the PB carrier plate, the second fixtures, the through holes in the mainboard and the first fixtures. According to the technical solution of the present disclosure, power supply transmission loss can be reduced, and heat dissipation of the power supply system is good.

[FIG. 3]