

## ABSTRACT

A power connection device and a power control system, which are applicable to the technical field of electric circuit. The power connection device includes a plurality of battery slots configured to be connected with a storage battery, each battery slot is provided therein with a control circuit, and the control circuit includes a filtering module, a voltage dropping module and a current equalizing module; when the storage battery is connected in at least two battery slots, the direct current as output by the corresponding storage battery is filtered by the filtering module in each control circuit, and the first direct current is output to the voltage dropping module, a voltage dropping processing is performed on the first direct current and the second direct current is output to the current equalizing module by the voltage dropping module, the target voltage is generated by the current equalizing module in each control circuit according to the second direct currents in all control circuits, so that the same supply current is output to the load. In this way, the output power of the power supply can be controlled by increasing or decreasing the number of the storage batteries on the power connection device when power consuming products with different power are provided with power supply, so that the research and development cycle of the product is further reduced.

<FIG. 1>