

ABSTRACT

POWER DISTRIBUTION APPARATUS, BATTERY PACK AND VEHICLE

The present disclosure provides a power distribution apparatus, a battery pack, and a vehicle. The power distribution apparatus (1) includes: a base (100), a high-voltage connection part (110) and a low-voltage connection part (120) being fixed on the base; a high-voltage loop (200), at least a portion of the high-voltage loop being arranged on the base, the high-voltage loop being electrically connected to the high-voltage connection part, the high-voltage loop having a module positive-electrode connection end (210) and a module negative-electrode connection end (220), and the high-voltage loop including a main disconnecting switch core (230) fixed on the base; a circuit board (300), the circuit board being arranged on the base; a low-voltage loop (400), the low-voltage loop being integrated into the circuit board and being electrically connected to the low-voltage connection part; and a plurality of high-and-low-voltage tabs (500), an end of each high-and-low-voltage tab being connected to the high-voltage loop for electrical connection, and another end of the high-and-low-voltage tab being plugged into the circuit board for electrical connection with the low-voltage loop. The power distribution apparatus has advantages such as a simple and compact structure, high space utilization, a small volume, a light weight, and low costs.