

ABSTRACT

BATTERY HOUSING, BATTERY PACK, AND VEHICLE

A battery housing, a battery pack, and a vehicle are provided. The battery housing includes: a tray (2), at least one module transverse beam (3), and a liquid cooling plate (4). A first channel (21) is formed in the tray (2), and an explosion-proof valve (22) in communication with the first channel (21) is arranged on the tray (2). The module transverse beam (3) is arranged in the tray (2). The module transverse beam (3) includes an accommodating portion (31), at least a part of a bottom of the accommodating portion (31) is depressed downward to form a groove (312) that can accommodate gas, and an opening (3121, 3122) is arranged at at least one end that is of the groove (312) and that is along a length direction of the module transverse beam (3). The liquid cooling plate (4) is hermetically connected to an outside of a bottom of the module transverse beam (3), at least one connection channel (321, 322, 331, 332) is formed between the liquid cooling plate (4) and the module transverse beam (3), and the opening (3121, 3122) is in communication with the first channel (21) through the connection channel (321, 322, 331, 332).