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THE CHARACTERISTIC OF 18QNY1G20 TYPE SINGLE PRESSURE VESSEL
HYDROGEN-NICKEL BATTERY

Abstract

The structural characteristics of 18QNY1G20 style single pressure vessel (SPV) hydrogen-nickel battery is introduced in the paper, the test techniques and test results of the battery is systematically analyzed in the paper. The test results shows that the specific energy of the battery reached 47.35Wh/kg. The middle voltage of the single cell reached 1.320 V at 10 A0.5 C and 10The discharge time of the battery was 25min at 40 A2 C, owned the ability of discharge at 40 AThe charge retention ratio was 74.24