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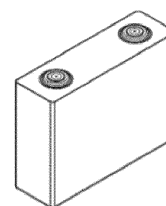
(54) **LITHIUM ION BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRIC DEVICE**

(57) The present application discloses a lithium-ion battery, which has a positive electrode sheet, a negative electrode sheet, a separator, and an electrolyte solution comprising a lithium salt and a solvent, wherein based on the total weight of the electrolyte solution, the percentage by mass of the lithium salt in the electrolyte solution is a%, and the lithium ion battery satisfies  $5 < a < 10$ ; and the load on single side of the negative electrode sheet is W grams per 1540.25 mm<sup>2</sup>, and a and W satisfy  $25 \leq a/W \leq 50$ ; and the solvent comprises dimethyl carbonate.

The lithium ion battery has good safety and high-tem-

perature cycling performance, and also has good kinetic performance.

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**Fig. 1**