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(54) **SERIES AND PARALLEL BATTERY SYSTEM
SUPPORTING ZERO-VOLTAGE CHARGING,
LITHIUM BATTERY, AND CHARGING
METHOD**

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(57) **ABSTRACT**

Disclosed are a series and parallel battery system supporting zero-voltage charging, a lithium battery, and a charging method. The lithium battery for the series and parallel battery system supporting zero-voltage charging includes: a battery cell assembly, a main charge and discharge switch circuit and a trickle charge switch circuit; the main charge and discharge switch circuit is provided in series between the battery cell assembly and a power supply end.

