

TITLE:

DRIVE DEVICE FOR DRIVING MOTOR AND OPERATING METHOD THEREOF

ABSTRACT

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Provided are a drive device (100) for driving a motor (MTR) and an operating method (S100) for the drive device (100). The drive device (100) includes a battery module (110), a conversion circuit (120), an energy storage circuit (130), and a control switch (140). The conversion circuit (120) is coupled to the motor (MTR), a first power terminal of the battery module (110), and a second power terminal of the battery module (110). The control switch (140) is coupled in series with the energy storage circuit (130) between the first power terminal (T1) and the second power terminal (T2). When a voltage value at the first power terminal (T1) is higher than a first setting voltage value (VS1), the drive device (100) turns on the control switch (140) to enable the energy storage circuit (130) to store electrical energy at the first power terminal (T1).

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FIG. 1