

BACKUP POWER SUPPLY AND OPERATING METHOD THEREFOR

ABSTRACT

5 The present invention relates to a backup power supply, comprising: a first sub-power supply, which is configured to provide alternating current power, the first sub-power supply being connected to an input terminal of an AC/DC converter; an AC/DC converter, which is configured to convert alternating current power into direct current power, an output terminal of the AC/DC converter being connected to an output terminal of the backup power supply; and a
10 second sub-power supply, which is configured to provide direct current power, the second sub-power supply being connected to the output terminal of the backup power supply. In addition, the present invention also relates to an operating method for the backup power supply. According to the present invention, it is possible to provide a backup power supply solution that is highly reliable and can adapt to power consumption requirements of a load having a large
15 variation in power requirements, such as a draught fan.

FIG. 2