

ABSTRACT

A power adapter, a terminal, and a method for processing an impedance exception of a charging loop. The power adapter (10) comprises a power conversion unit (11) and a charging interface (12). The power conversion unit (11) forms a charging loop with a terminal through the charging interface (12), so as to charge a battery of the terminal. The power adapter (10) also comprises a communications unit (13), a detection unit (14), and an exception processing unit (15). The communications unit (13) is used for receiving voltage indication information from the terminal when the power adapter (10) charges the terminal, the voltage indication information being detected by the terminal and indicating an input voltage of the power adapter (10). The detection unit (14) is used for detecting an output voltage of the power adapter (10). The exception processing unit (15) is used for determining whether an impedance of the charging loop is exceptional according to a difference between the input voltage and the output voltage, and when the impedance of the charging loop is exceptional, controlling the charging loop to enter into a protection state, thereby improving the security of a charging process.