ABSTRACT

The present disclosure provides a power adaptor, an electronic device and a charging apparatus for an electronic device. In the process of charging a battery in a conventional charge mode after the power adapter is powered on, the power adapter carries out quick charge inquiry communication with the electronic device when an output current value of the power adapter is within a conventional current range for a preset time interval; after the electronic device sends a quick charge command to the power adapter, the power adapter adjusts the output voltage according to the battery voltage information fed back by the electronic device; and when the output voltage meets a voltage requirement for quick charge preset by the electronic device, the power adapter adjusts the output current and the output voltage for charging the battery in a quick charge mode.

ABSTRACT

The present invention relates to the technical field of charging. A charging apparatus for an electronic device (200) and a power adapter (100) for the electronic device (200). In the process of charging a battery (201) in a normal charge mode after the power adapter (100) is powered on reset, when an output current value of the power adapter (100) is within a normal current range at a preset time interval, the power adapter (100) carries out fast charge inquiry communication with the electronic device (200); after the electronic device (200) sends a fast charge command to the power adapter (100), the power adapter (100) adjusts the output voltage according to voltage information of the battery (201) fed back by the electronic device (200); and when the output voltage meets a fast charge voltage condition preset by the electronic device (200), the power adapter (100) adjusts the output current and the output voltage to charge the battery (201) according to a fast charge mode, and therefore the purpose of quickly charging the battery (201) to shorten the charging time is achieved.