11. The terminal according to claim 10, wherein the quick charging component is further configured to send the peak voltage of the battery to the power device, such that the power device determines whether to adjust the charging state according to the peak voltage of the battery.

12. The terminal according to claim 10, wherein, the quick charging component is further configured to determine whether to adjust the charging state of the power device according to the peak voltage of the battery, and to send an adjusting signal to the power device in response to determining to adjust the charging state of the power device, such that the power device adjusts the charging state according to the adjusting signal.

13. The terminal according to any of claims 10-12, wherein, the terminal further comprises an electricity meter configured to sample a voltage of the battery, the quick charging component is configured to sample the voltage of the battery through the electricity meter in response to acquiring the peak synchronizing signal, so as to acquire the peak voltage of the battery.

14. The terminal according to claim 13, wherein the electricity meter is further configured to:

receive the peak synchronizing signal;

sample the voltage of the battery in response to receiving the peak synchronizing signal, so as to acquire the peak voltage of the battery; and

communicate with the quick charging component to send the peak voltage of the battery to the quick charging component.

15. The terminal according to claim 10, wherein the terminal further comprises a second charging interface, wherein when the second charging interface is coupled to a first charging interface of the power device, a charging path and a communication path are established between the quick charging component and the power device.

16. The terminal according to claim 15, wherein, the quick charging component is configured to communicate with the power device via the communication path to determine a charging mode; wherein the charging mode comprises a first charging mode and a second charging mode.

17. The terminal according to claim 16, wherein the quick charging component is configured to apply the voltage with the pulsating waveform to the battery when the power device charges the terminal in the first charging mode.

18. A charging method, comprising:

applying a voltage with a pulsating waveform outputted by a power device to a battery;

acquiring a peak synchronizing signal outputted by the power device;

acquiring a peak voltage of the battery according to the peak synchronizing signal; and

communicating with the power device such that the power device adjusts a charging state according to the peak voltage of the battery.