ABSTRACT

A charging system for a terminal, a charge method, and a power adapter are provided. The charging system includes a power adapter and a terminal. The power adapter includes a switch circuit, a second rectifying circuit, a first charging interface, and a control circuit. The control circuit modulates a duty cycle of a control signal based on voltage sampling value or current sampling value sampled by the sampling circuit so that voltage in a third pulsating waveform output by the second rectifying circuit satisfies a charging requirement. The terminal includes a battery and a second charging interface connected to the battery. The second charging interface applies the voltage in the third pulsating waveform to the battery when the second charging interface is connected to the first charging interface, so that the pulsating waveform output by the power adapter is directly applied on the battery.