What is claimed is:

1. A method for controlling power supply, comprising:

receiving an idle communication indicative instruction sent by a field energy supply device through a communication path;

sending a waiting time extension instruction to the field energy supply device through the communication path, to instruct the field energy supply device to supply field energy continuously; and

receiving a response to the waiting time extension instruction sent by the field energy supply device through the communication path, closing the communication path, and supplying with power by utilizing the field energy through a power supply path.

2. The method according to claim 1, before receiving the idle communication indicative instruction sent by the field energy supply device through the communication path, further comprising:

receiving an information interactive instruction sent by the field energy supply device through the communication path; and

sending a response to the information interactive instruction to the field energy supply device through the communication path.

3. The method according to claim 1 or 2, wherein the waiting time extension instruction instructs a waiting time, and after closing the communication path, the method further comprises:

before the waiting time runs out, opening the communication path, and performing the step of sending another waiting time extension instruction to the field energy supply device through the communication path.

4. The method according to any one of claims 1 to 3, wherein the waiting time extension instruction instructs a waiting time, and after closing the communication path, the method further comprises:

before the waiting time runs out, opening the communication path, and sending a response to the idle communication indicative instruction to the field energy supply device through the communication path.

5. The method according to claim 3 or 4, before opening the communication path, further comprising: closing the power supply path.

6. The method according to claim 4, after sending the response to the idle communication indicative instruction to the field energy supply device through the communication path, further comprising:

when receiving an information interactive instruction sent by the field energy supply device through the communication path, performing a step of sending a response to the information interactive instruction to the field energy supply device through the communication path.

7. The method according to claim 4, after sending the response to the idle communication indicative instruction to the field energy supply device through the communication path, further comprising:

when receiving another idle communication indicative instruction sent by the field energy supply device through the communication path, performing the step of sending another waiting time extension instruction to the field energy supply device through the communication path.

8. The method according to any one of claims 1 to 7, before receiving an idle communication indicative instruction sent by the field energy supply device through the communication path, further comprising:

receiving a searching instruction sent by the field energy supply device through the communication path; and

sending a searching response to the field energy supply device through the communication path.

9. The method according to any one of claims 2 to 7, before receiving an information interactive instruction sent by the field energy supply device through the communication path, further comprising:

receiving a searching instruction sent by the field energy supply device through the communication path; and

sending a searching response to the field energy supply device through the communication path.

10. The method according to any one of claims 1 to 9, wherein a waiting time extension instruction is further configured to instruct the field energy supply device to improve power of the field energy.

11. A method for controlling power supply, comprising:

when a triggering condition is satisfied, sending an idle communication indicative

instruction to a device to be supplied with power;

receiving a waiting time extension instruction sent by the device, to supply field energy continuously; and

sending a response to the waiting time extension instruction to the device, to instruct the device to be supplied with power by utilizing the field energy.

12. The method according to claim 11, wherein the triggering condition comprises:

determining a current state as an idle communication state; or

receiving a triggering instruction.

13. The method according to claim 11 or 12, before sending the idle communication indicative instruction to the device, further comprising:

sending an information interactive instruction to the device;

receiving a response to the information interactive instruction sent by the device.

14. The method according to any one of claims 11 to 13, wherein the waiting time extension instruction instructs a waiting time, and after sending the response to the waiting time extension instruction to the device, the method further comprises:

before the waiting time runs out and when another waiting time extension instruction sent by the device is received, performing a step of sending a response to the another waiting time extension instruction to the device.

15. The method according to any one of claims 11 to 14, wherein the waiting time extension instruction instructs a waiting time, and after sending the response to the waiting time extension instruction to the device, the method further comprises:

before the waiting time runs out, receiving a response to the idle communication indicative instruction sent by the device.

16. The method according to claim 15, after receiving the response to the idle communication indicative instruction sent by the device, further comprising:

performing a step of sending an information interactive instruction to the device.

17. The method according to claim 15, after receiving the response to the idle communication indicative instruction sent by the device, further comprising:

when the triggering condition is satisfied, performing a step of sending another idle communication indicative instruction to the device.

18. The method according to any one of claims 11 to 17, wherein when the triggering

condition is satisfied and before an idle communication indicative instruction is sent to the device, the method further comprises:

sending a searching instruction to the device; and

receiving a searching response sent by the device.

19. The method according to any one of claims 13 to 17, before sending an information interactive instruction to the device, further comprising:

sending a searching instruction to the device;

receiving a searching response sent by the device.

20. The method according to any one of claims 11 to 19, wherein a waiting time extension instruction is further configured to instruct a field energy supply device to improve power of the field energy, and the method further comprises:

improving power of the field energy, and outputting field energy with improved power.

21. A device to be supplied with power, comprising:

a receiving and sending module, configured to receive an idle communication indicative instruction sent by a field energy supply device through a communication path, send a waiting time extension instruction to the field energy supply device through the communication path, to instruct the field energy supply device to supply field energy continuously, and receive a response to the waiting time extension instruction sent by the field energy supply device through the communication path;

an on/off module, configured to close the communication path; and

a power supplying module, configured to supply power by utilizing the field energy through a power supply path.