period.

In conclusion, according to the power control method provided in this embodiment, UE is controlled to send data to a network side device at first power in a silent period, where the first power is less than second power used by the UE for sending data on a control channel in a data transmission period, which solves problems of relatively high power consumption of the UE on the control channel and a relatively small cell capacity, achieves an effect of reducing power consumption of the UE on an uplink control channel in the silent period, and improves the cell capacity.

Referring to FIG. 11, FIG. 11 shows a method flowchart of a power control method according to still another embodiment of the present invention, and as shown in FIG. 11, the power control method may include the following steps:

Step 1101: A network side device sends a configuration instruction to UE, where the configuration instruction is used to indicate a data transmission period and/or a silent period of the UE.

Optionally, the network side device may acquire the configuration instruction according to a method in step 901.

Step 1102: The UE receives the configuration instruction sent by the network side device, where the configuration instruction is used to indicate the data transmission period and/or the silent period of the UE.

After receiving the configuration instruction, the UE may acquire the data transmission period and the silent period according to the configuration instruction.

Optionally, when the configuration instruction is used to indicate the data transmission period of the UE, the UE may directly acquire the data transmission period, and use another period except the data transmission period as the silent period.

Optionally, when the configuration instruction is used to indicate the silent period of the UE, the UE may directly acquire the silent period, and use another period except the silent period as the data transmission period.

Optionally, when the configuration instruction is used to indicate the data transmission period and the silent period of the UE, the UE may directly acquire the data transmission period and the silent period.

After acquiring the data transmission period and the silent period, the UE transmits user-plane data to the network side device only in the data transmission period, and does not transmit the user-plane data to the network side device in the

embodiment, an example in which a network side device sends a power control instruction to UE in the foregoing first manner is used for description. As shown in FIG. 13, the power control method may include the following steps:

Step 1301: The network side device sends a configuration instruction to the UE, where the configuration instruction is used to indicate a data transmission period and/or a silent period of the UE.

Before the UE sends user-plane data to the network side device, the network side device may send the configuration instruction to the UE, where the configuration instruction is used to indicate the data transmission period and/or the silent period of the UE.

Optionally, the network side device may acquire the configuration instruction according to a method in step 1101.

Step 1302: The UE receives the configuration instruction sent by the network side device, where the configuration instruction is used to indicate the data transmission period and/or the silent period of the UE.

After receiving the configuration instruction, the UE may acquire the data transmission period and the silent period according to the configuration instruction.

Optionally, when the configuration instruction is used to indicate the data transmission period of the UE, the UE may directly acquire the data transmission period, and use another period except the data transmission period as the silent period.

Optionally, when the configuration instruction is used to indicate the silent period of the UE, the UE may directly acquire the silent period, and use another period except the silent period as the data transmission period.

Optionally, when the configuration instruction is used to indicate the data transmission period and the silent period of the UE, the UE may directly acquire the data transmission period and the silent period.

After acquiring the data transmission period and the silent period, the UE transmits the user-plane data to the network side device only in the data transmission period, and does not transmit the user-plane data to the network side device in the silent period.

Step 1303: The network side device acquires a first power control parameter required for maintaining synchronization with the UE, where transmit power corresponding to the first power control parameter is equal to first power.

The network side device may acquire a power control parameter that is required

sending data on a control channel in a data transmission period, which solves problems of relatively high power consumption of the UE on the control channel and a small cell capacity, achieves an effect of reducing power consumption of the UE on an uplink control channel in the silent period, and improves the cell capacity.

Referring to FIG. 14, FIG. 14 shows a method flowchart of a power control method according to still another embodiment of the present invention, and in this embodiment, an example in which a network side device sends a power control instruction to UE in the foregoing second manner is used for description. As shown in FIG. 14, the power control method may include the following steps:

Step 1401: The network side device sends a configuration instruction to the UE, where the configuration instruction is used to indicate a data transmission period and/or a silent period of the UE.

Before the UE sends user-plane data to the network side device, the network side device may send the configuration instruction to the UE, where the configuration instruction is used to indicate the data transmission period and/or the silent period of the UE.

Optionally, the network side device may acquire the configuration instruction according to a method in step 1101.

Step 1402: The UE receives the configuration instruction sent by the network side device, where the configuration instruction is used to indicate the data transmission period and/or the silent period of the UE.

After receiving the configuration instruction, the UE may acquire the data transmission period and the silent period according to the configuration instruction.

Optionally, when the configuration instruction is used to indicate the data transmission period of the UE, the UE may directly acquire the data transmission period, and use another period except the data transmission period as the silent period.

Optionally, when the configuration instruction is used to indicate the silent period of the UE, the UE may directly acquire the silent period, and use another period except the silent period as the data transmission period.

Optionally, when the configuration instruction is used to indicate the data transmission period and the silent period of the UE, the UE may directly acquire the data transmission period and the silent period.

After acquiring the data transmission period and the silent period, the UE transmits the user-plane data to the network side device only in the data transmission

second power used by the UE for sending data on the control channel in the data transmission period.

In conclusion, according to the power control method provided in this embodiment, UE is controlled to send data to a network side device at first power in a silent period, where the first power is less than second power used by the UE for sending data on a control channel in a data transmission period, which solves problems of relatively high power consumption of the UE on the control channel and a relatively small cell capacity, achieves an effect of reducing power consumption of the UE on an uplink control channel in the silent period, and improves the cell capacity.

Referring to FIG. 15, FIG. 15 shows a method flowchart of a power control method according to still another embodiment of the present invention, and in this embodiment, an example in which a network side device sends a power control instruction to UE in the foregoing third manner is used for description. As shown in FIG. 15, the power control method may include the following steps:

Step 1501: The network side device sends a configuration instruction to the UE, where the configuration instruction is used to indicate a data transmission period and/or a silent period of the UE.

Before the UE sends user-plane data to the network side device, the network side device may send the configuration instruction to the UE, where the configuration instruction is used to indicate the data transmission period and/or the silent period of the UE.

Optionally, the network side device may acquire the configuration instruction according to a method in step 1101.

Step 1502: The UE receives the configuration instruction sent by the network side device, where the configuration instruction is used to indicate the data transmission period and/or the silent period of the UE.

After receiving the configuration instruction, the UE may acquire the data transmission period and the silent period according to the configuration instruction.

Optionally, when the configuration instruction is used to indicate the data transmission period of the UE, the UE may directly acquire the data transmission period, and use another period except the data transmission period as the silent period.

Optionally, when the configuration instruction is used to indicate the silent period of the UE, the UE may directly acquire the silent period, and use another