CLAIMS

1. A distribution board system, comprising:

a chassis;

a busway configuration arranged outside the chassis, the busway configuration including a first busway configured to be coupled to a first power supply and a second busway, wherein the first busway and the second busway are electrically insulated from each other outside the chassis;

a first bridge switch arranged inside the chassis and configured to bridge the first busway and the second busway, wherein the first bridge switch includes a first plug terminal configured to be arranged at the first busway and a second plug terminal configured to be arranged at the second busway, wherein the first plug terminal and the second plug terminal extend outward from inside the chassis through a wall of the chassis; and

a first distribution device configured to be arranged at the second busway.

2. The distribution board system of claim 1, wherein the first bridge switch is a molded-case circuit breaker (MCCB) or an air circuit breaker (ACB).

3. The distribution board system of claim 1, wherein the first bridge switch further includes:

a switch part coupled with the first plug terminal and the second plug terminal and configured to control a conduction of the first plug terminal and the second plug terminal.

4. The distribution board system of claim 1, wherein the first busway has a first arrangement part; the second busway has a second arrangement part and a third arrangement part; the first arrangement part and the second arrangement part are configured for setting up the first bridge

switch, so that the first busway is coupled to the second busway through the first bridge switch; the third arrangement part is configured for setting up the first distribution device.

5. The distribution board system of claim 1, wherein the first distribution device includes:

a third plug terminal configured to be arranged on the second busway; and

a distribution structure coupled to the third plug terminal.

6. The distribution board system of claim 1, wherein the chassis includes a switch chassis and a distribution chassis; the first bridge switch is arranged inside the switch chassis, and the first distribution device is arranged inside the distribution chassis.

7. The distribution board system of claim 1, wherein the busway configuration further includes a third busway arranged outside the chassis and configured to be coupled to a second power supply; the distribution board system further includes a second bridge switch arranged inside the chassis and configured to bridge the second busway with the third busway; the first distribution device is configured to selectively receive power from one of the first power supply and the second power supply through the first bridge switch or the second bridge switch.

8. The distribution board system of claim 1, wherein the busway configuration further includes:

a third busway arranged outside the chassis and configured to be coupled to a second power supply; and

a fourth busway arranged outside the chassis; and

wherein the distribution board system further includes:

a second bridge switch arranged inside the chassis and configured to bridge the third busway and the fourth busway; and

a third bridge switch arranged inside the chassis and configured to selectively bridge the second busway with the third busway or the fourth busway.

9. The distribution board system of claim 8, further comprising:

a second distribution device configured to be arranged at the fourth busway.

10. A busway configuration for a distribution board system, comprising:

a first busway arranged outside a chassis of the distribution board system and configured to be coupled to a first power supply, wherein the first busway has a first arrangement part; and

a second busway arranged outside the chassis, wherein the second busway has a second arrangement part and a third arrangement part, wherein the first busway and the second busway are electrically insulated from each other outside the chassis;

wherein the first arrangement part and the second arrangement part are configured for setting up a bridge switch, so that the first busway is coupled to the second busway through the bridge switch;

wherein the first arrangement part and the second arrangement part are respectively arranged corresponding to openings on a wall of the chassis, and are configured for setting up the bridge switch to be electrically connected after passing through the wall; and

wherein the third arrangement part is configured for setting up a distribution device.

11. The busway configuration of claim 10, wherein the bridge switch comprises:

a first plug terminal configured to be arranged at the first arrangement part;

a second plug terminal configured to be arranged at the second arrangement part; and

a switch part coupled with the first plug terminal and the second plug terminal and configured to control a conduction of the first plug terminal and the second plug terminal.

12. A distribution device for the busway configuration of claim 10, comprising:

a third plug terminal configured to be arranged at the third arrangement part; and

a distribution structure coupled to the third plug terminal.