Dual Input Manual for RM120 Serial V1.0

1. Remove the covers of top, left and right sides, as is shown in figure 1.

Figure 1 Covers

2. Install the bypass input terminals and G40/G41 copper bar, as is shown in figure 2 and 3.

   Note:

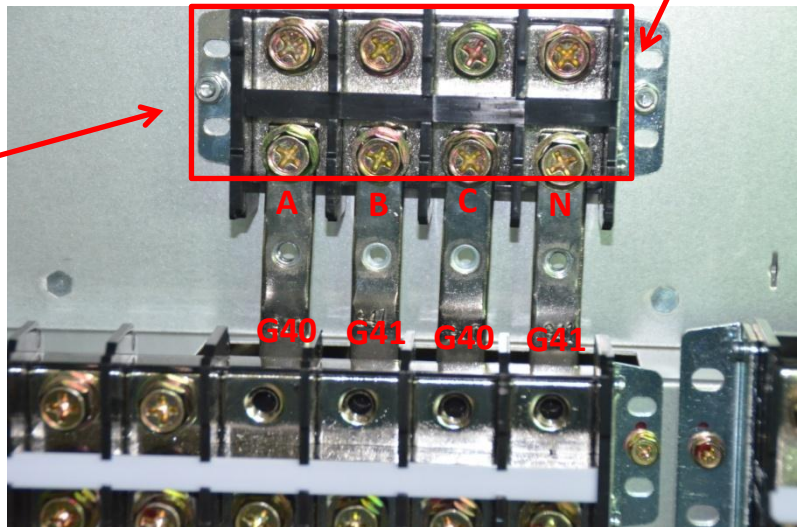   ➢ Please pay attention to the sequence of G40 and G41
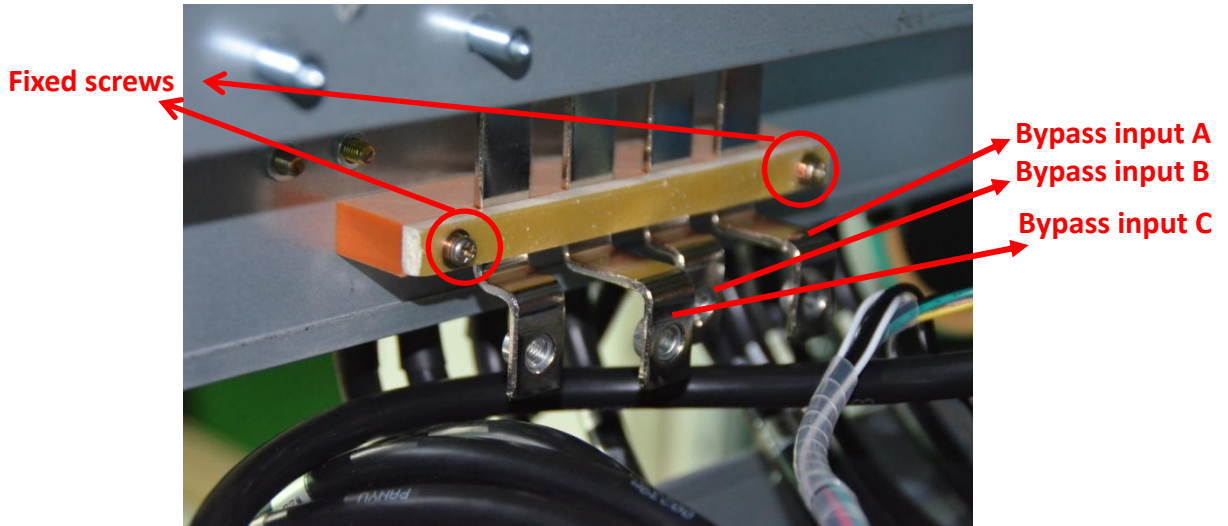

Figure 2 Bypass input terminals

Figure 3 Bypass input terminals

3. Remove and **leave** the old bypass module input black cables: W21 (Phase A), W21 (Phase B) and W23 (Phase C), and install the new bypass module input cables (Shorter than the old one) between bypass input copper bar and bypass module input, as is shown in figure 4 and 5.
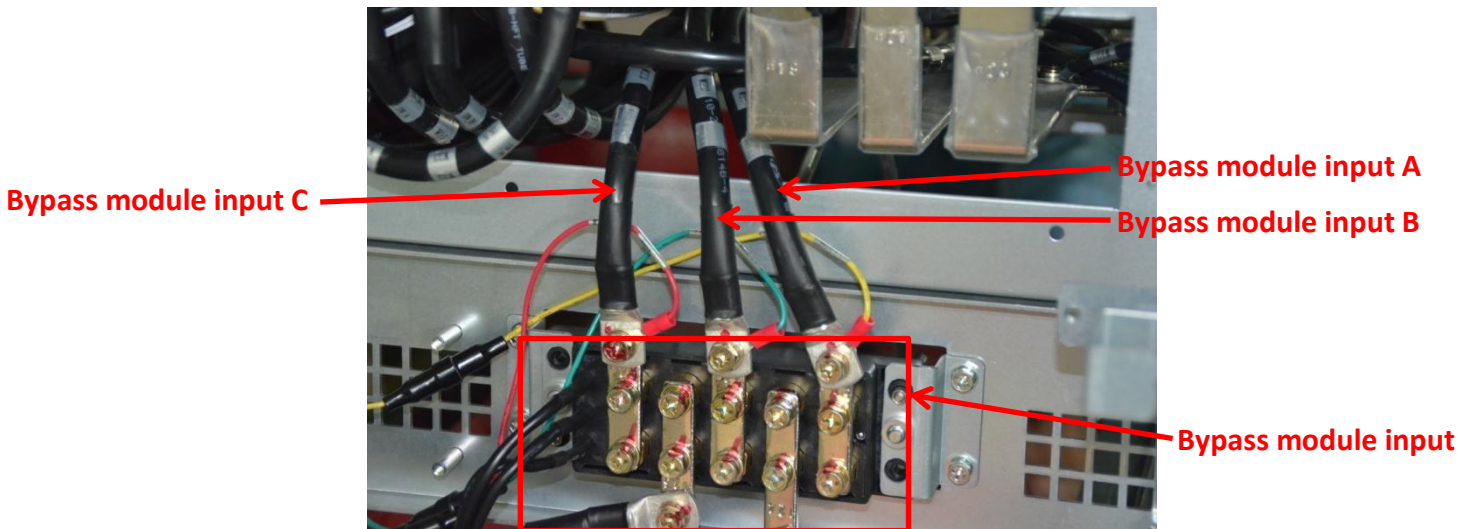

Figure 4 Bypass module input cables

W21 Phase A

W21 Phase B

W21 Phase C

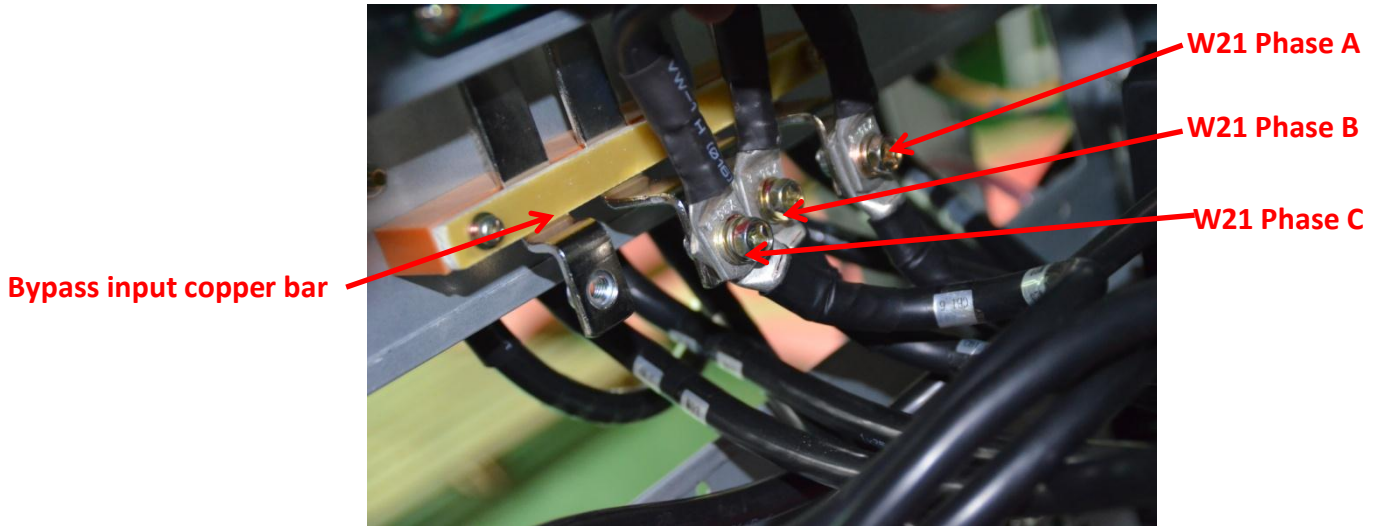**Bypass input copper bar**

Figure 5 Bypass module input cables to bypass terminals

4. Remove 3 pcs copper bars between maintenance switch input and main input copper bar, and install new 3 pcs longer cables between maintenance switch inputs and bypass input copper bars, as is shown in figure 6 and 7.
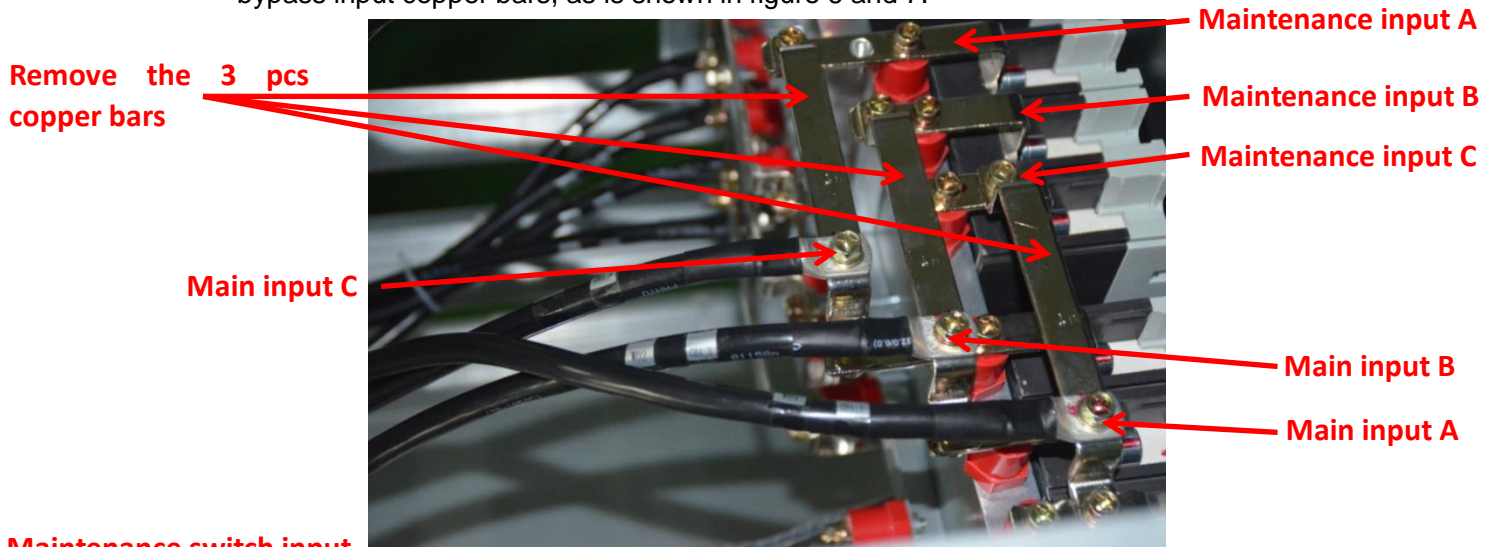

Remove the 3 pcs copper bars

Maintenance input A

Maintenance input B

Maintenance input C

Main input C

Main input B

Main input A

Figure 6 Shorted copper bars

Maintenance switch input

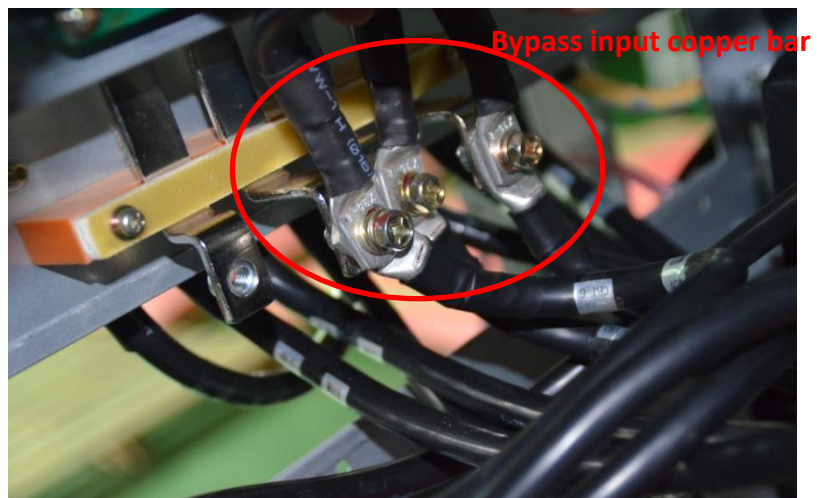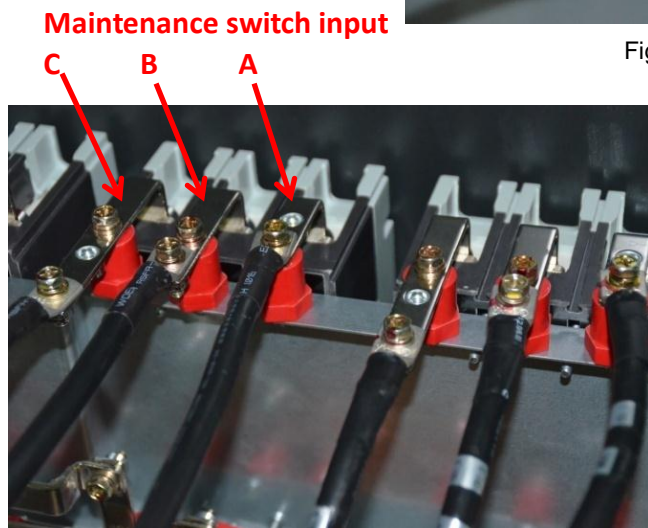**C   B   A**

Bypass input copper bar

Figure 7 Shorted copper bars

5. Install the bypass voltage detection cables on the battery cold start board, connect DR9-J3 terminal (Battery cold start board) to FR-J1 (Red cable) and FR-J3 (White cable), as is shown in figure 8.

Connect DR9-J3 (Battery cold start board) another terminal to FJ-J6, as is shown in figure 9.
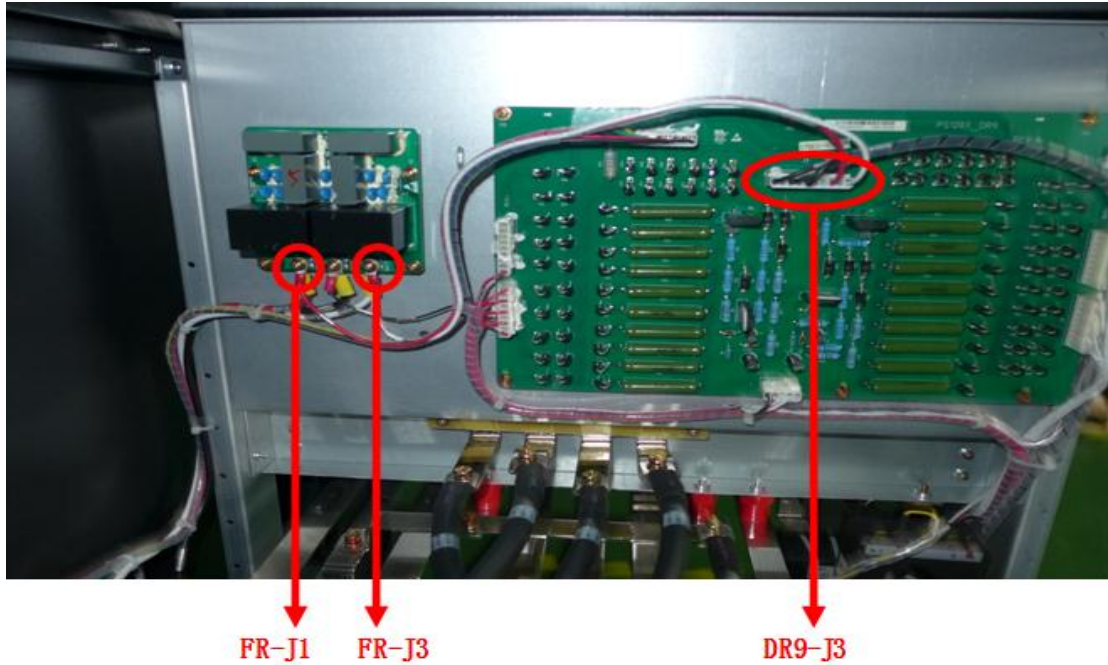

FR-J1   FR-J3   DR9-J3

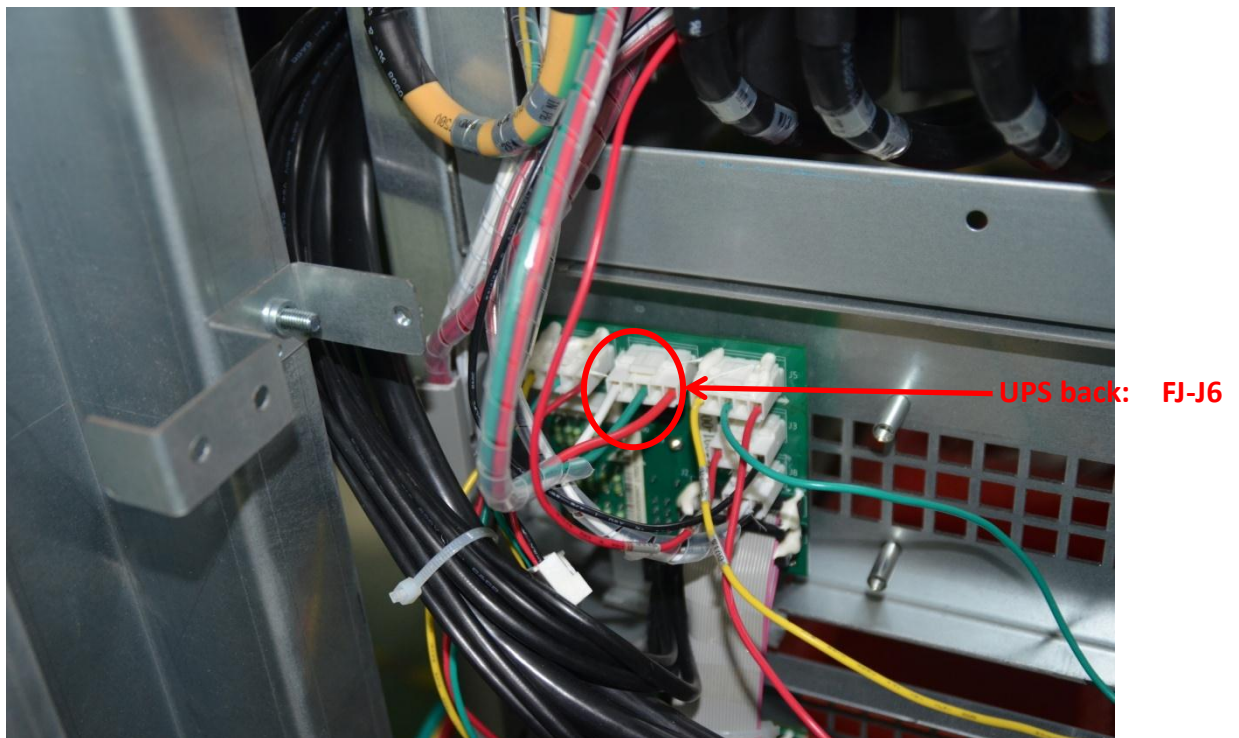Figure 8 FR-J1 and FR-J3 cables

UPS back: FJ-J6

Figure 9 FJ-J6 cable

6. Check all the new connections and install back the covers of the UPS

Note:

➢ For the Dual Input, if the system needs to share the same input, the shorted copper bars Y42 should be added to the position as is shown in figure 12 and 13.
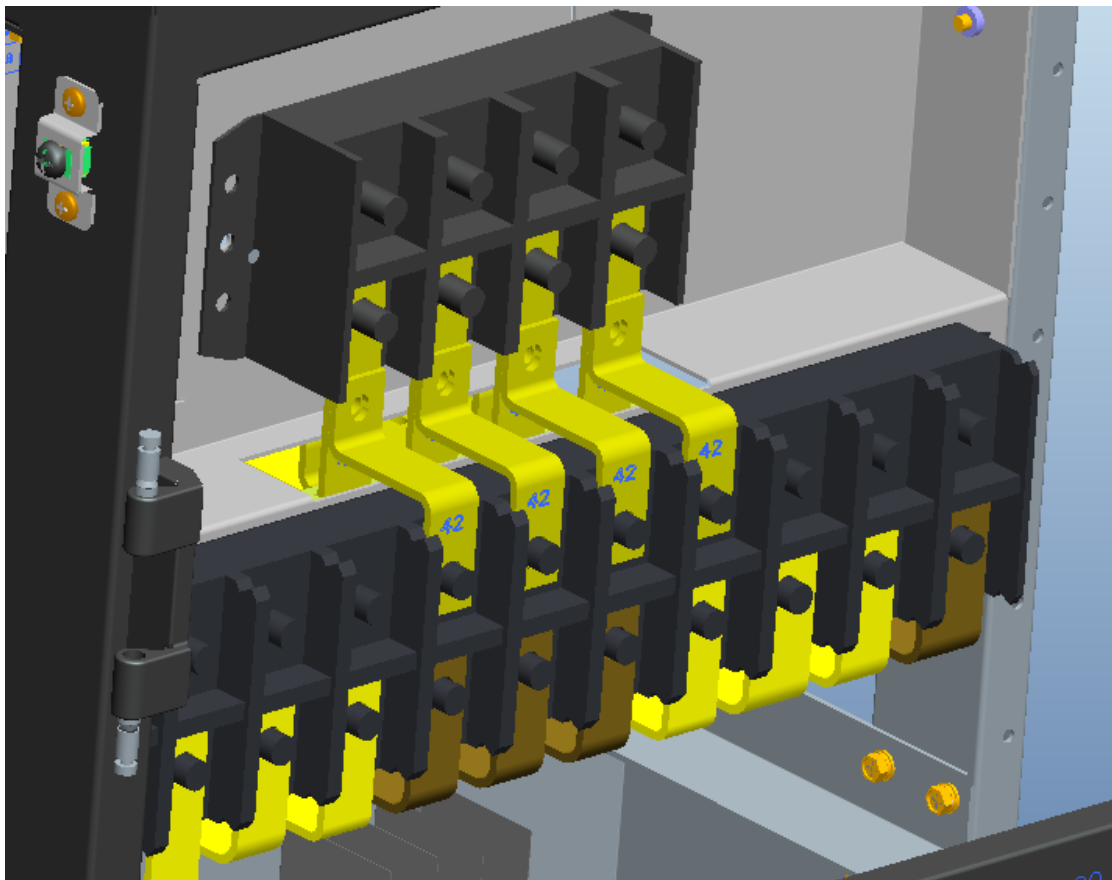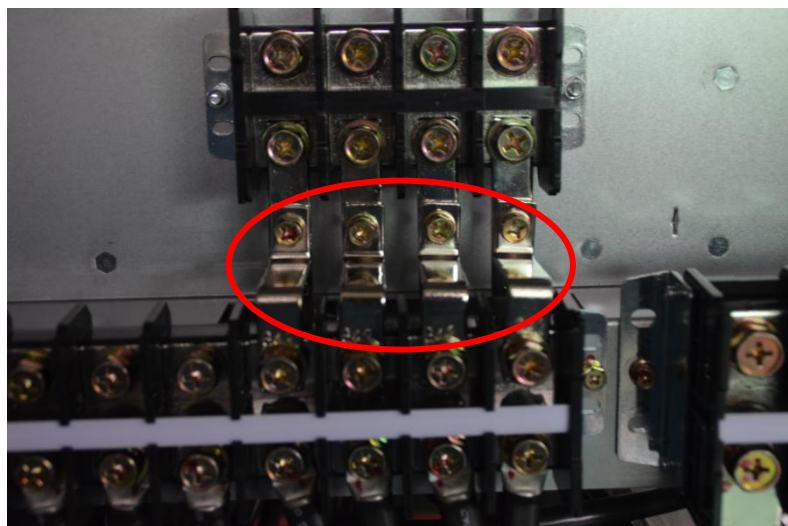

Figure 11 Y42 copper bars

Figure 12 Y42 copper bars