

Parallel board installation manual for HT31 10-20K V1.0

- ※※ Each parallel UPS need install parallel board and other related PCB boards.
- ※※ Please make sure the hardware and software of parallel UPS are same.

1. Remove the screws and parallel dam board, as shown in fig 1.

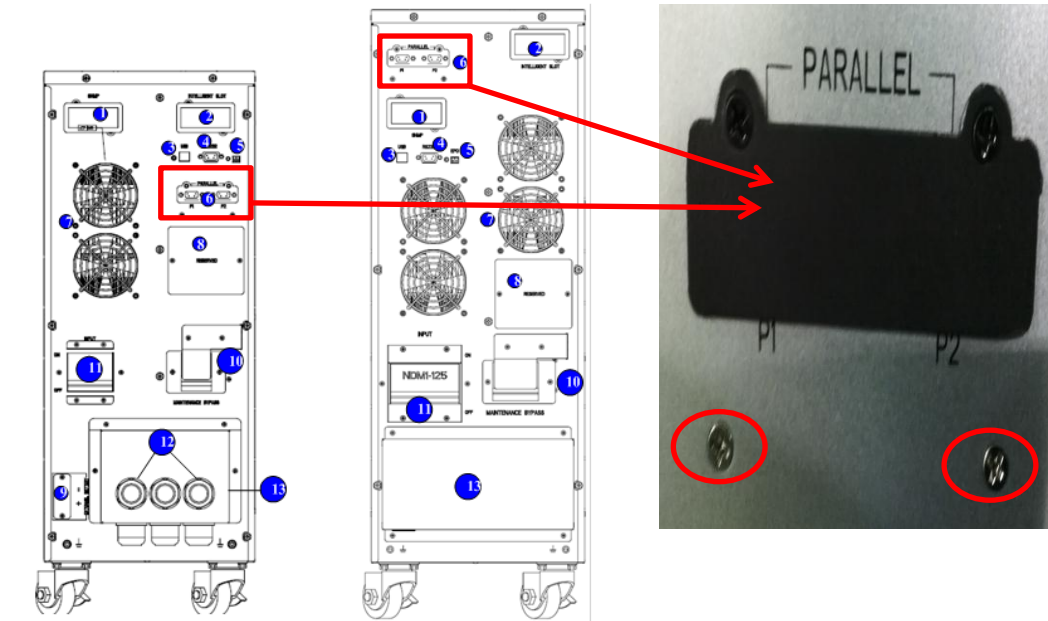


Fig 1 UPS parallel dam board

2. Install the parallel board; ensure the cable port stay in the outside, as shown in fig 2.

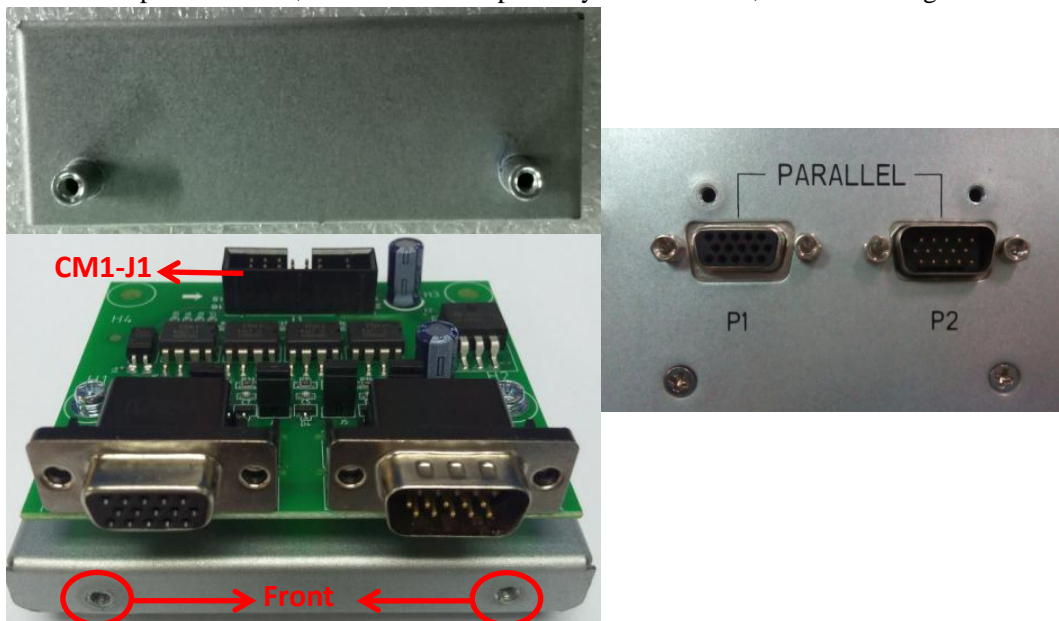


Fig 2 UPS parallel board installation

3. Connect CM1-J1 (Parallel board) and CT2-J7 (Control board) with Cable W321, as shown in fig3, fg4.

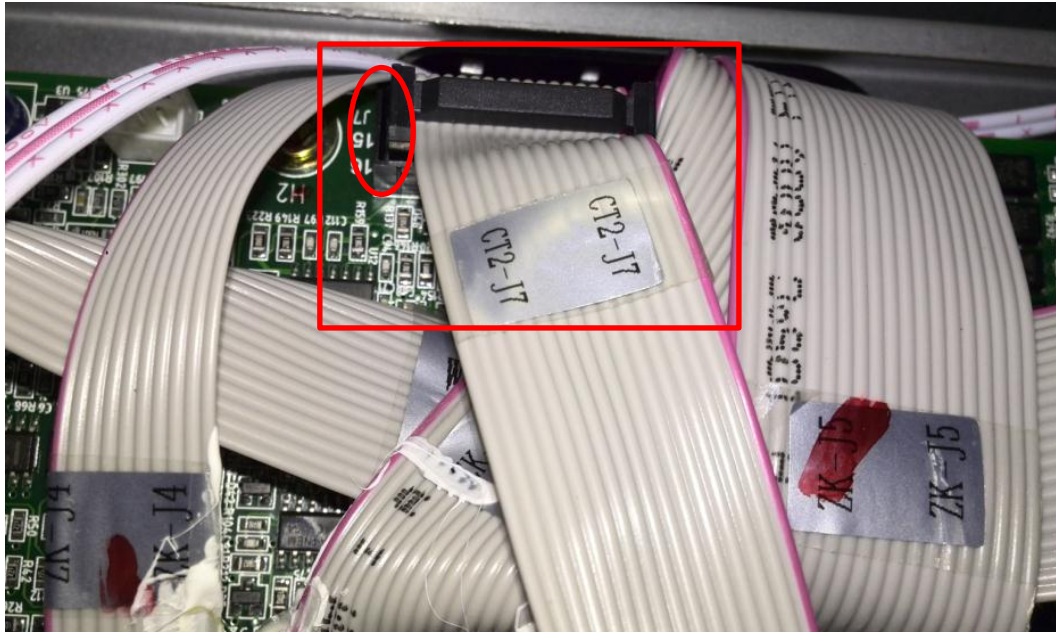


Fig 3 Control board

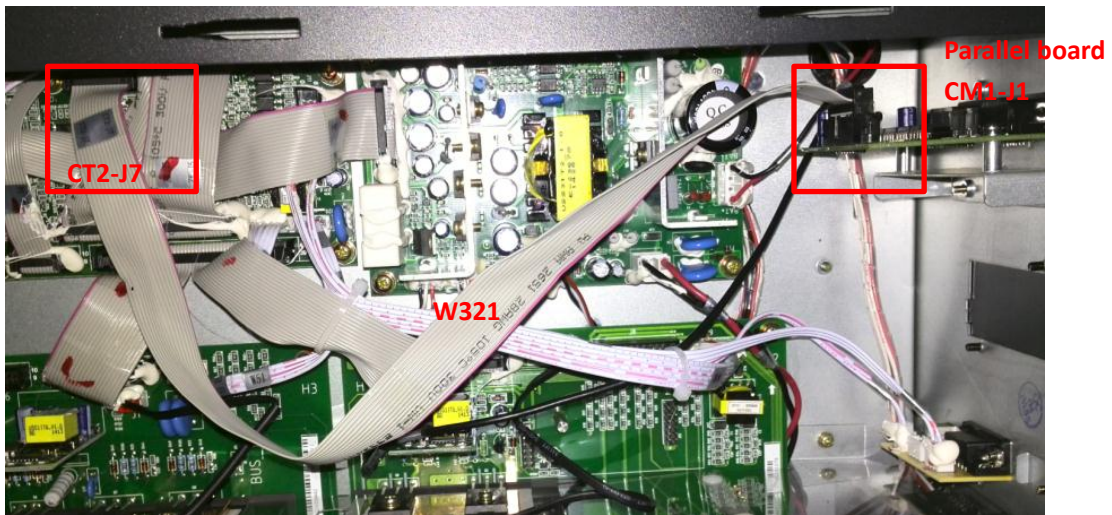


Fig 4 Cable W321 connection

4. Weld the output cable W322, as fig5.

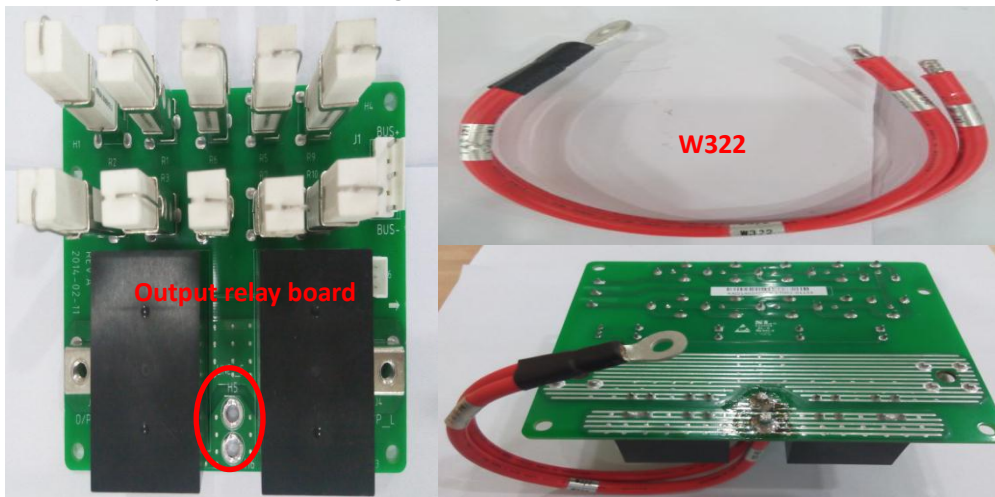


Fig5 Output cable W322 soldering

5. Install the output relay board, as shown in fig5, fig6.

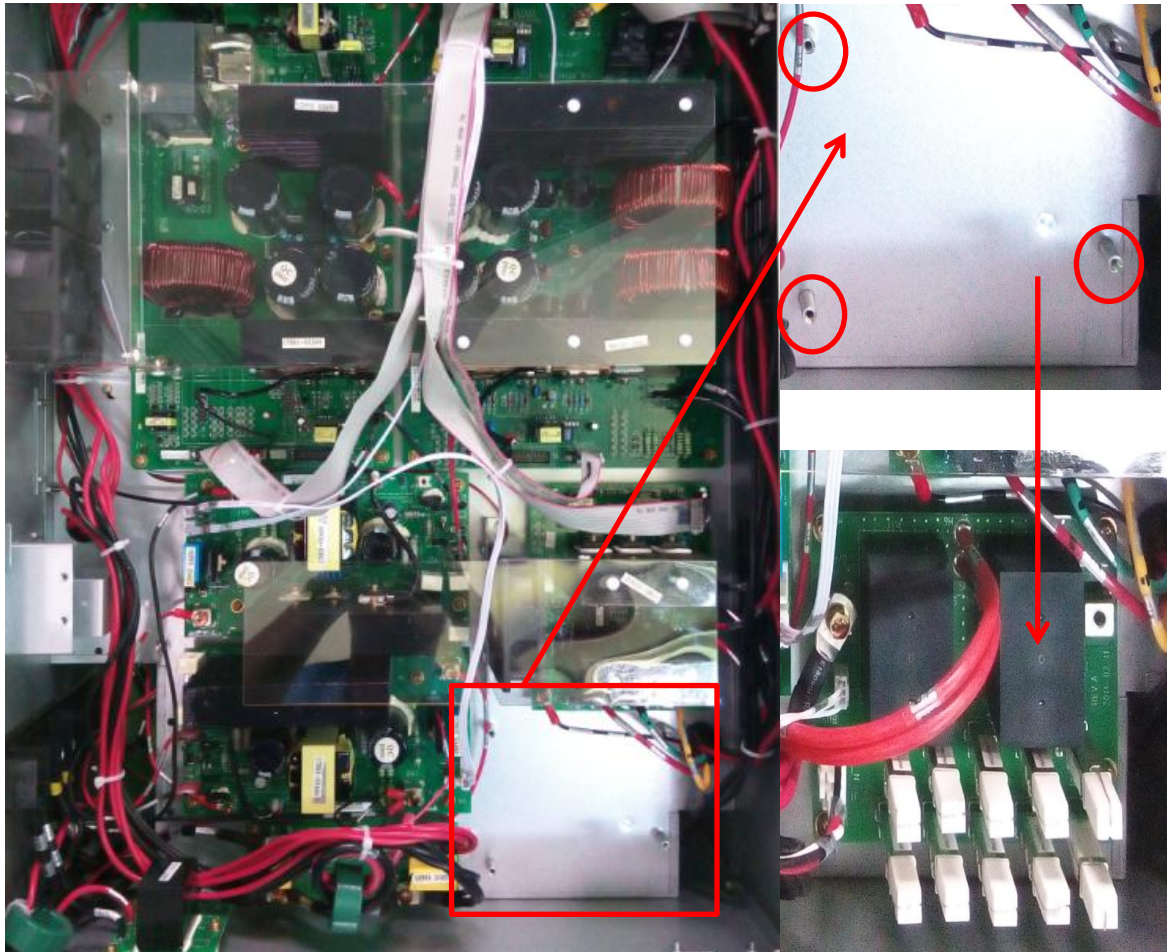


Fig 6 Output relay board installation

6. Only move the output power cable W28, W28(EM2/O/P_L) to J4 (Output relay board O/P_L) ,as shown in fig7.

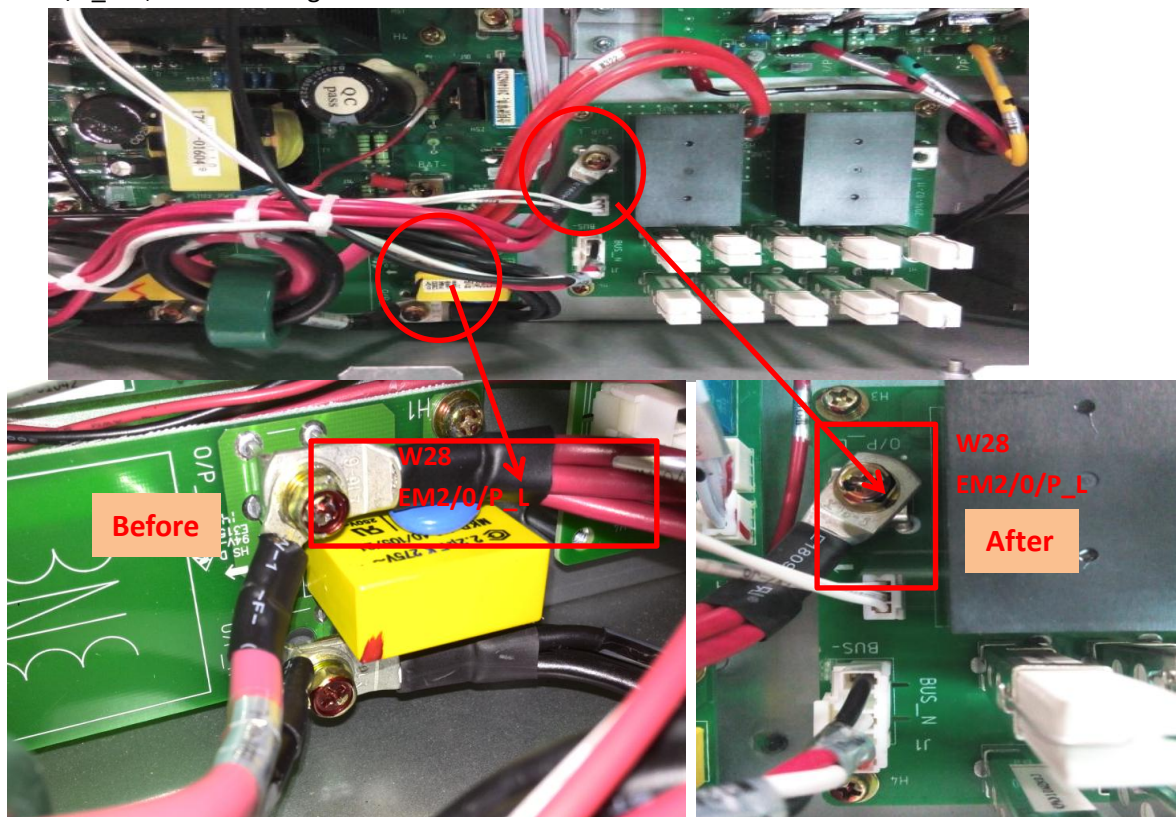


Fig7 Move cable W28

7. Connect output power cable W322, W322 (EM4 O/P_L) to EMI board (O/P_L), as shown in fig8.

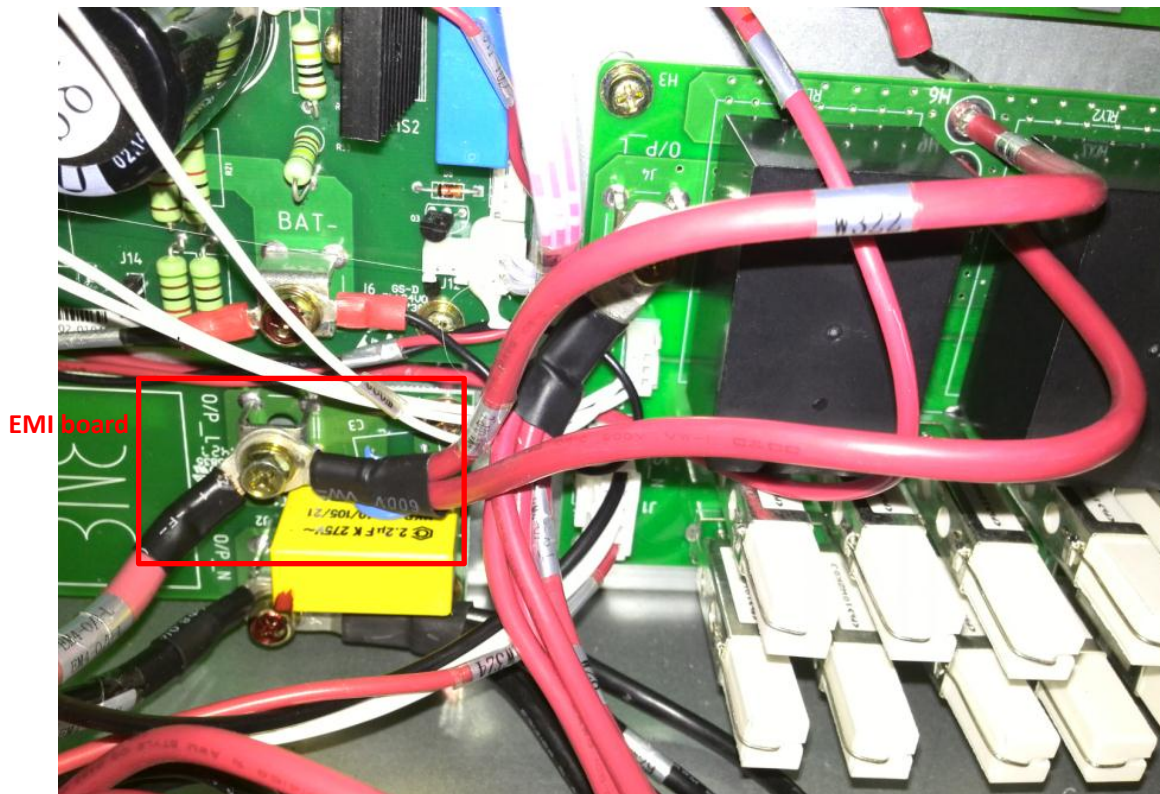


Fig 8 Cable W322 installation

8. Connect output relay drive cable W323, inverter power board (DR12-J26) to output relay board (CV2-J6), as shown in fig9.

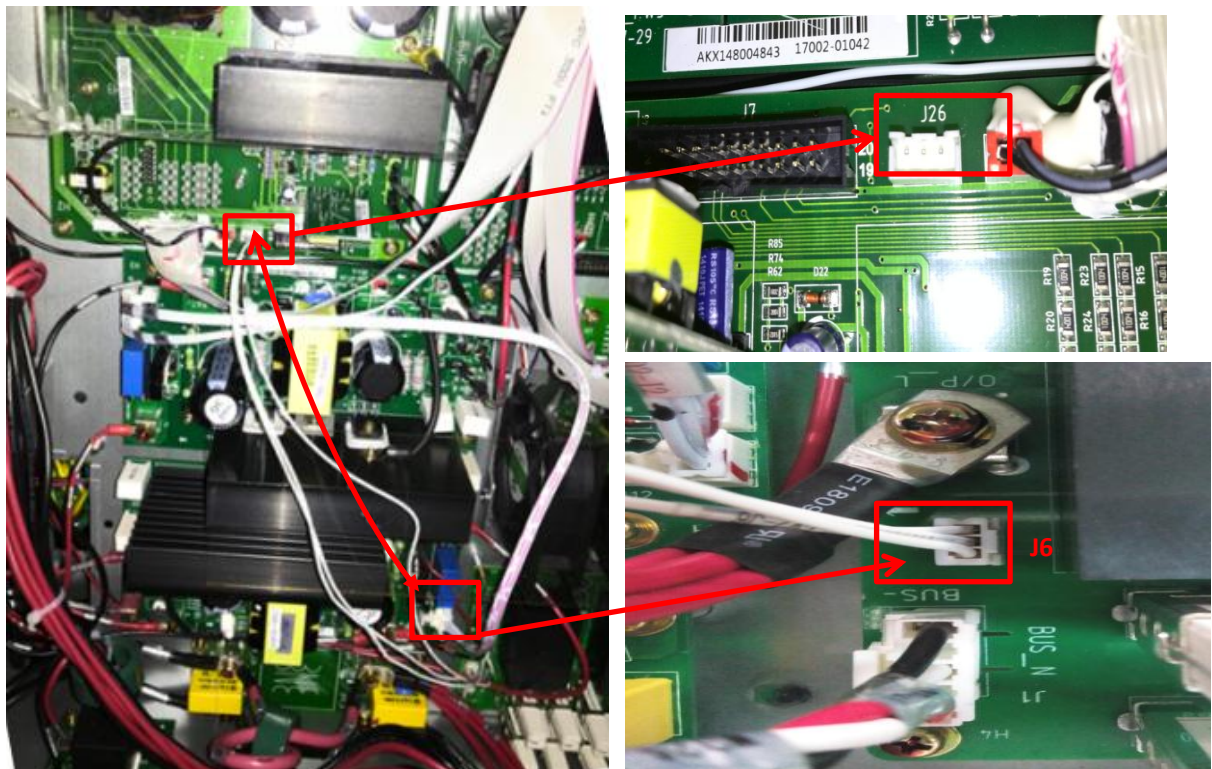


Fig 9 Output relay drive cable installation

9. Connect cable W324, CV2_J1 connect to output relay board J1, as shown in fig10.

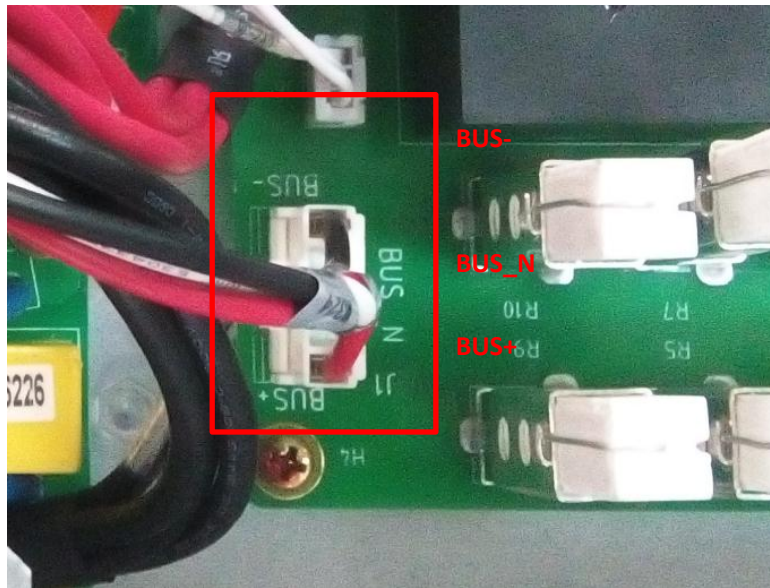


Fig 10 Cable W324 installation

Cable W324 other sides:

★★Red cable(CD1-DC_IN+) connects to charging board 1(DC-IN+ J4/J8), as shown in fig11,12

★★White cable (CD1-DC_IN-) connects to charging board 1(DC-IN- J5/J9), as shown in fig11,12

★★Black cable (CD2-DC_IN-) connects to **charging board 2**(DC-IN- J5/J9), as shown in fig11,13

After connect cable W324, please make sure that 3 cables without short circuit.

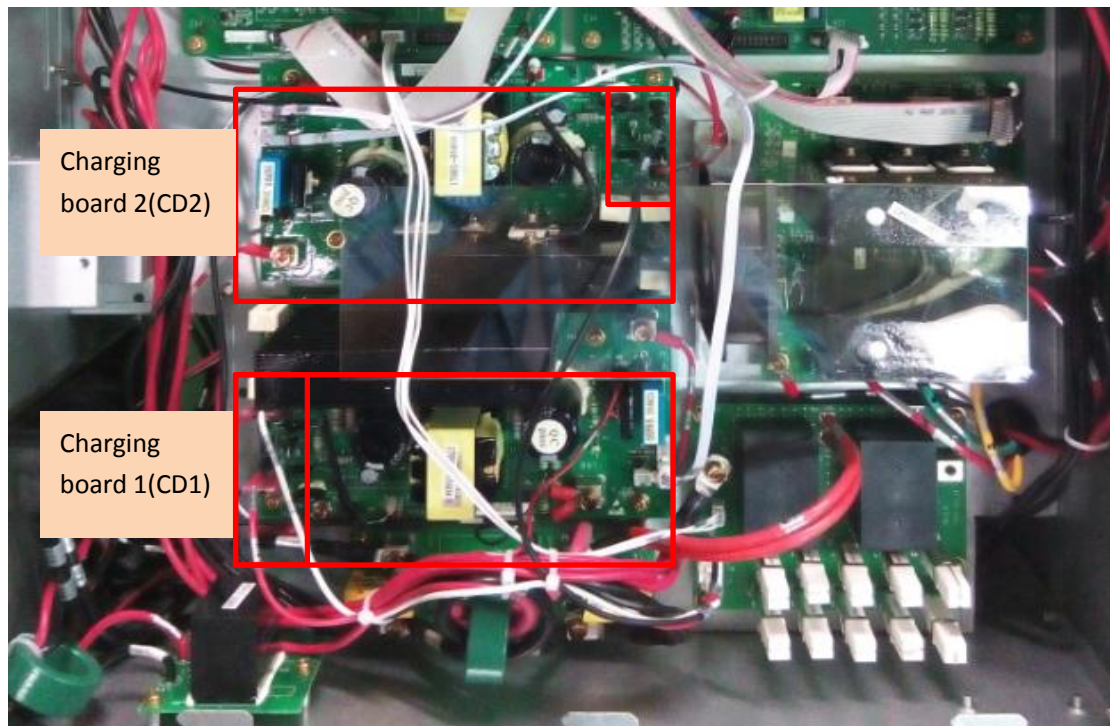


Fig 11 Cable W324 installation

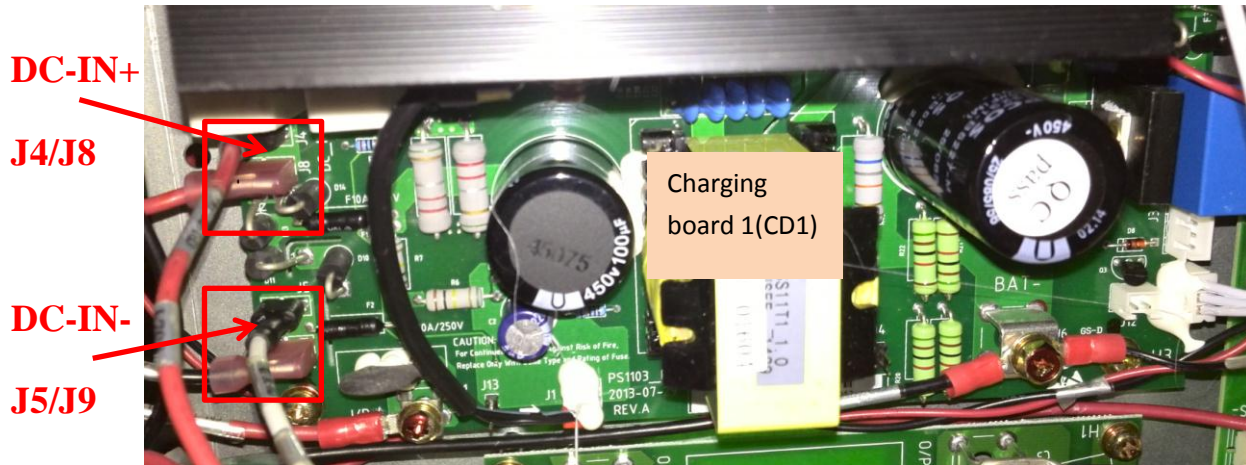


Fig 12 W324 red/white cable installation

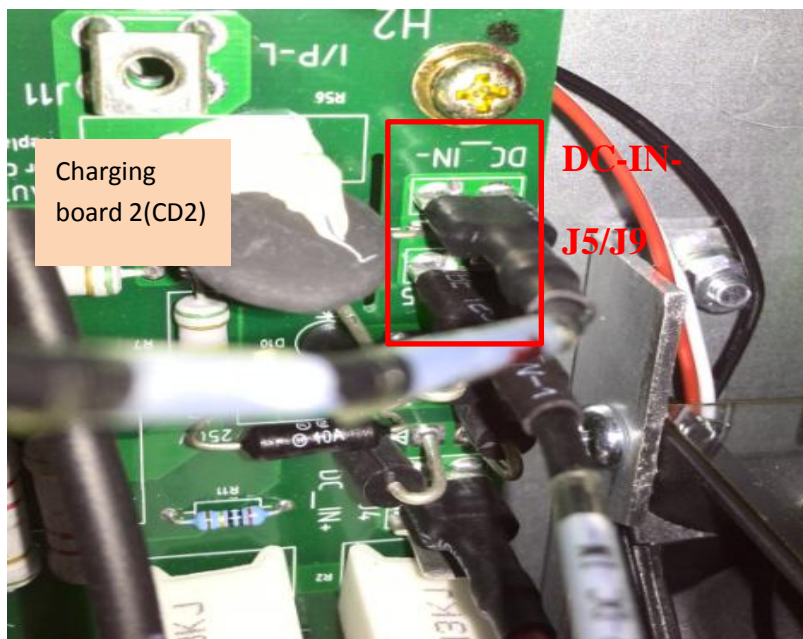


Fig 13 W324 black cable installation

10. After check all new installed boards and cables, then install another parallel UPS.