

Parallel Option Installation Manual for HTX33020-40 V1.1

Option lists:

Item	Quantity (PCS)
Parallel board,ASY01_PS1409_TF1	1
Signal cable kits, INVT 4.855.0395 Cable label (W401,W402,W403)	1
<i>D-sub</i> 15P male to <i>D-sub</i> 15P female, L=5000mm	1

1. Remove the cabinet and parallel cover, and install the parallel board, as is shown in figure 1 and 2.

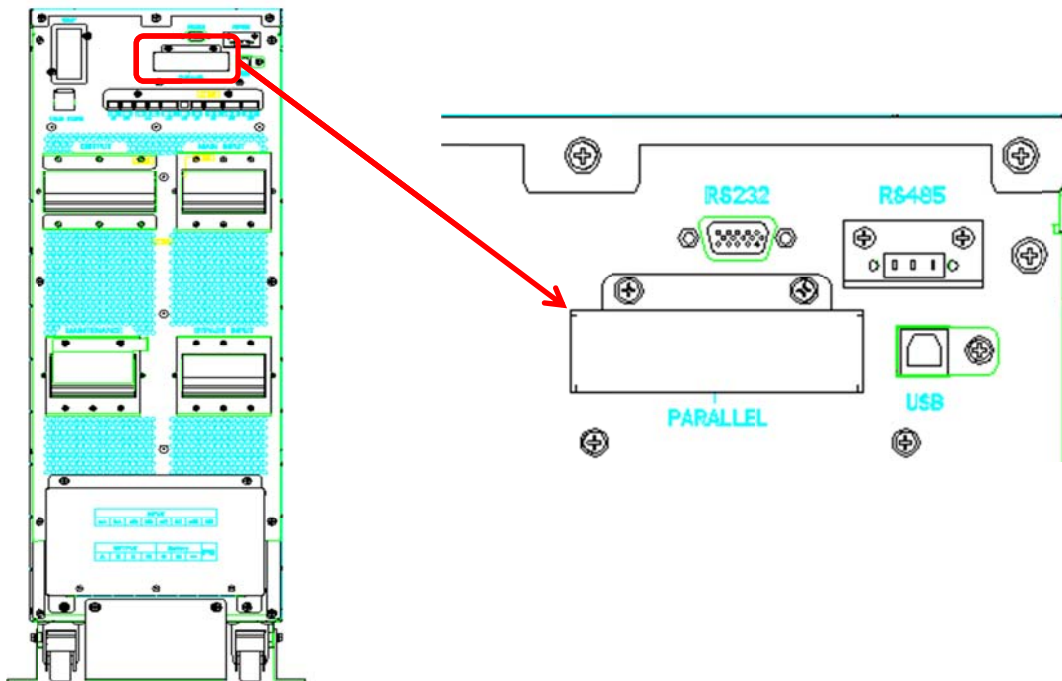


Figure 1 parallel board installation for 40kVA

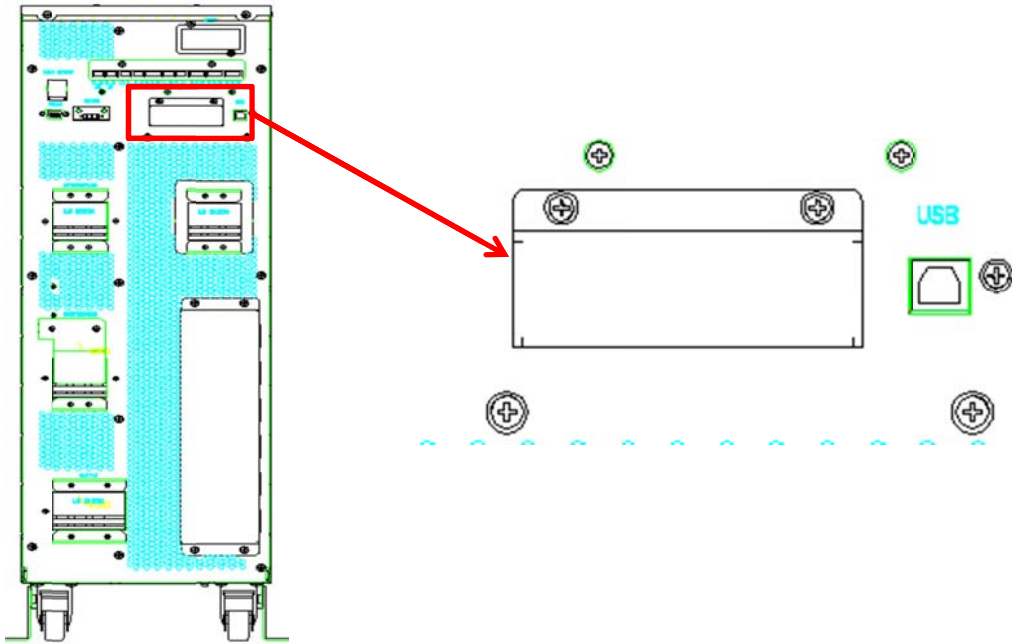


Figure 2 parallel board installation for 20-30kVA

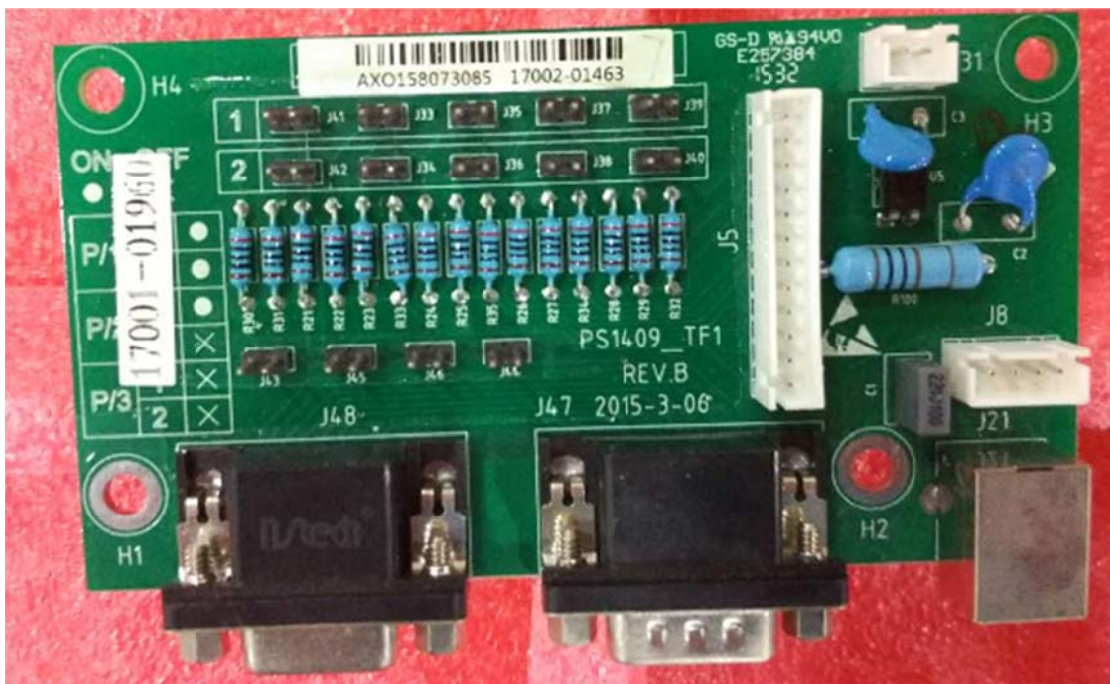


Figure 3 parallel board

2. For 20-30kVA: Connect the signal cable W401 (Parallel board J31 to control board J31), as is shown in figure 4.

Note:

For 40kVA, all parallel signal cables are same (length is different), and the control board is installed on top of the unit, as is shown in figure 8.

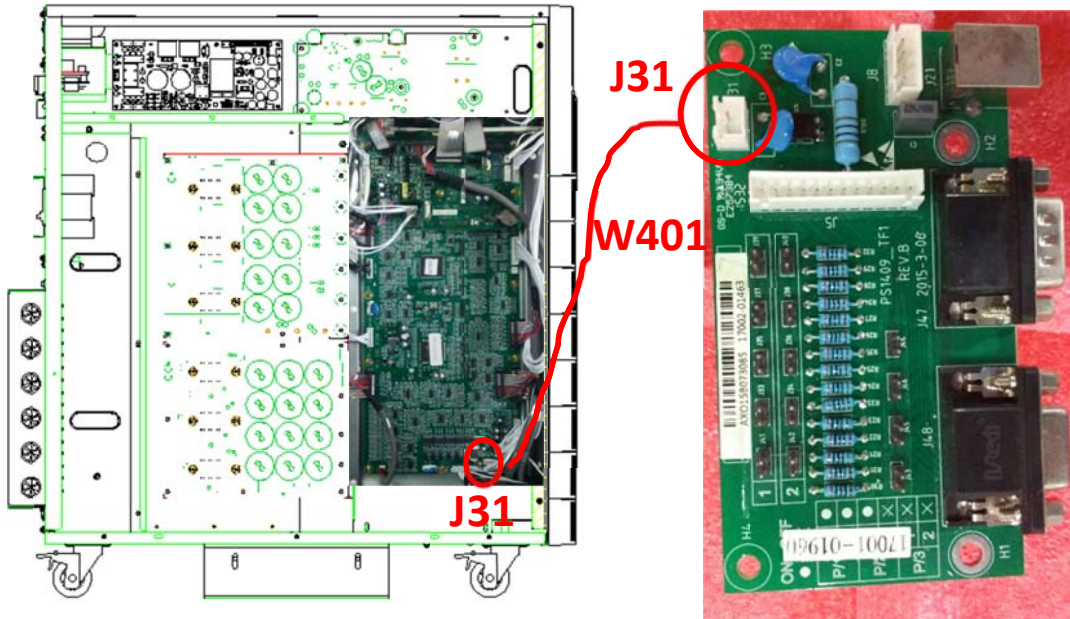


Figure 4 W401 cable connection

3. Connect the cable W402 and W403, as is shown in figure 5.
 W402: parallel board J5 to control board J5.
 W403: parallel board J8 to communication transfer board J7

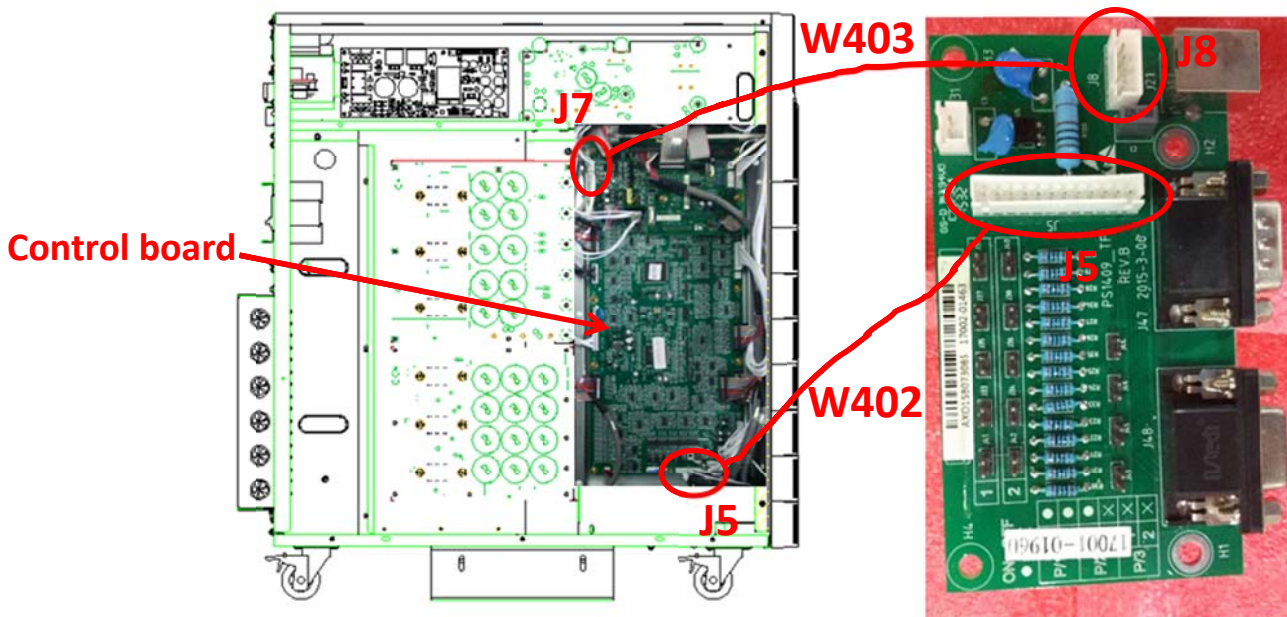


Figure 5 W402 and W403 cables

4. Parallel system jumper setting
 There are different setting of the jumpers on the control board and parallel board for different system.
 The location of jumpers on these 2 PCBs are shown in figure 6 & 7.

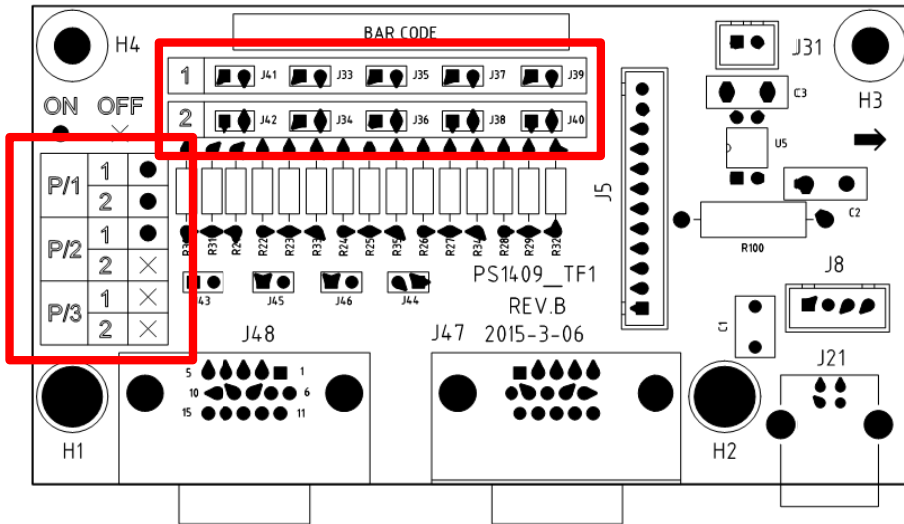


Figure 6 Jumpers on Parallel board (PS1409_TF1)

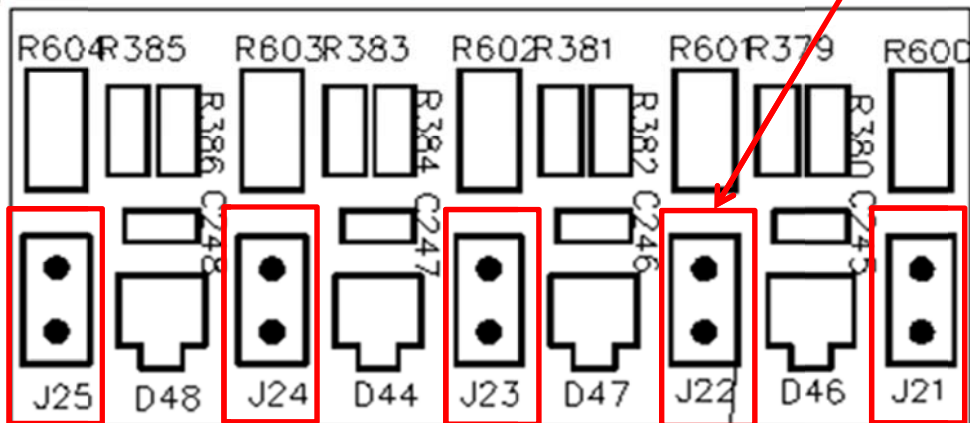
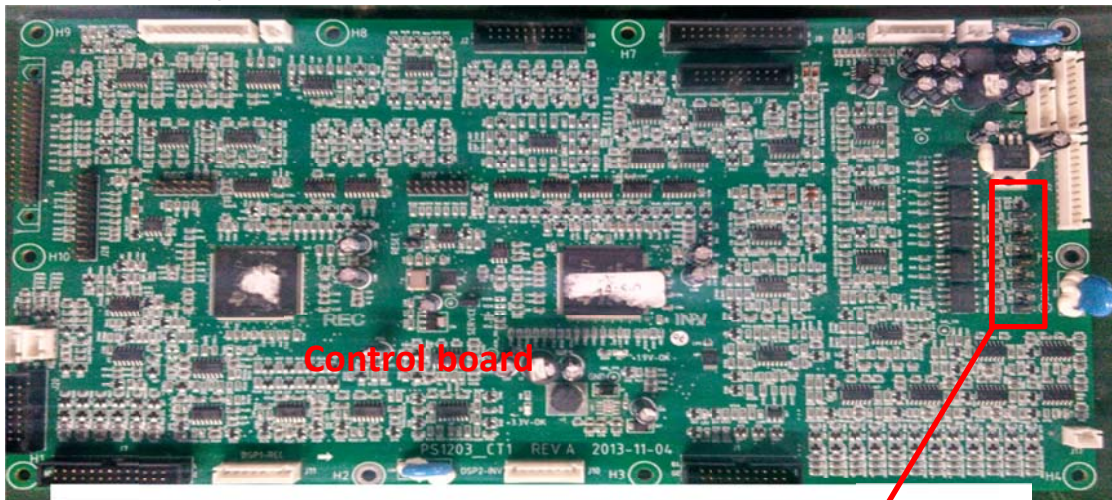


Figure 7 Jumpers on Control board (PS1203_CT1)

- **The control board named PS1203_CT1**
When there is a parallel board to be installed, remove the jumpers from J21 to J25 on control board. Otherwise, keep the jumpers shorted.
- **The parallel board named PS1409_TF1**
When a parallel board is installed, for single mode, short the jumper from J33 to J42.

When 2 units are in parallel, short the jumper of J33/J35/J37/J39/J41 on each board.

When 3 units or more are in parallel, remove all the jumpers on the parallel board.

5. After check and fix all cables, and install back the unit cover.

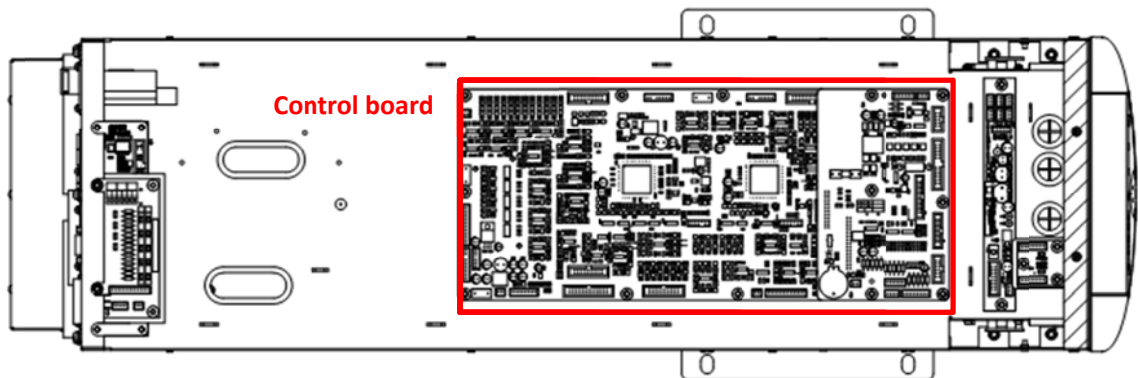


Figure 8 HT33040L top view