Li-ion Battery Tower – basics

Battery Tower

Battery Tower 60Ah or 90Ah
For 90Ah, remove these (60Ah) supports

Cable set:
#A. 3x 32cm 50mm2 black
#B. 1x 26cm 50mm2 red
#C. 1x 36cm 50mm2 red
#D. 1x 36cm 50mm2 black

Wall mounting plates:
Assembly distance between top and bottom

OPTION:
VE.Bus BM5
Li-ion Battery Tower - BMS

**OPTION**
VE.Bus BMS

**VE.BUS BMS**
Assembled (2 screws)

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**BMS cable connections**
- # 8 connected to # 3
- # 4 connected to # 1
- # 2 connected to # 5
- # 6 connected to # 9
- # 10 connected to # 7

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**BMS cable routing**
First assemble the battery cable links then, only route the BMS cables. Secure the cables with cable wraps. After BMS cables connections are made place the final battery link (red) to the fuse holder.
24V battery system
Connection of battery cable links

Cable set:
#A. 3x 32cm 50mm2 black
#B. 1x 26cm 50mm2 red
#C. 1x 36cm 50mm2 red
#D. 1x 36cm 50mm2 black

Connection of battery cables to MultiPlus or Quattro (single or double)
In order to utilize the full capacity of the product, battery cables with sufficient cross section should be used. See table in manual for MultiPlus or Quattro ‘Installation’.

24V battery – single cable
Single battery cable to fuse holder
300A fuse

24V battery – double cable
Double battery cable to fuse holder
300A fuse
24V battery – single cable
Single battery minus cable to battery

24V battery – double cable
Double battery minus cable to battery

For CB battery type place 1x link #B.
For BMS battery type make BMS cables connections first before placing this link!
Li-ion Battery Tower – 48V system

48V battery system
Connection of battery cable links

Cable set:
#A. 3x 32cm 50mm² black
#B. 1x 26cm 50mm² red
#C. 1x 36cm 50mm² red
#D. 1x 36cm 50mm² black

Connection of battery cables to MultiPlus or Quattro (single or double)
In order to utilize the full capacity of the product, battery cables with sufficient cross section should be used. See table in manual for MultiPlus or Quattro ‘Installation’.

48V battery – single cable
Single battery cable to fuse holder
200A fuse

48V battery – double cable
Double battery cable to fuse holder
200A fuse
48V battery – single cable
Single battery minus cable to battery

48V battery – double cable
Double battery minus cable to battery

For CB battery type place 1x link #B.
For BMS battery type make BMS cables connections first before placing this link!
Li-ion Battery Tower – wall mounting plates

1. Wall mounting plates:
   - Assembly distance between TOP and BOTTOM: 80cm
   - Mounting plate TOP
   - Dimensions in mm:
   - Material: Aluminum 4mm
   - Detail 'A': holes CSK(10.8x6.4)

2. Wall mounting plates:
   - Mounting plate BOTTOM
   - Dimensions in mm:
   - Material: Aluminum 4mm
   - Detail 'A': holes CSK(10.8x6.4)

3. Wall mounting plates:
   - Assembly distance between TOP and BOTTOM: 80cm