



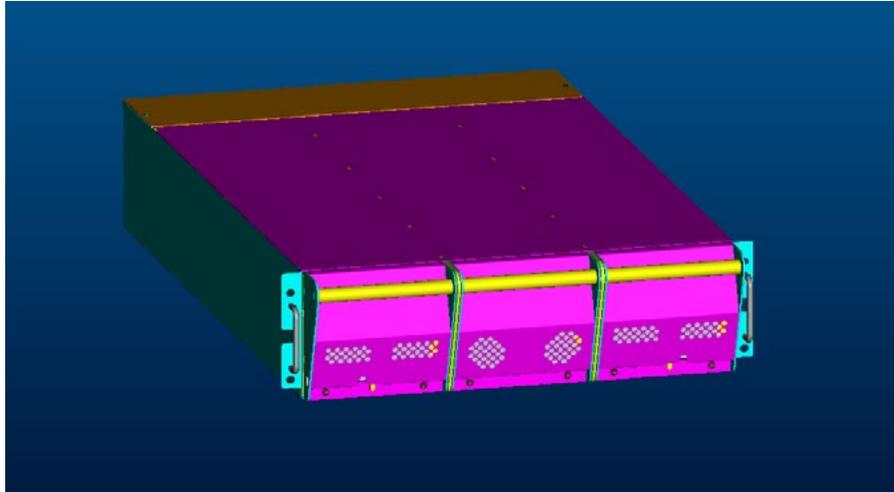
R90-EBP32

Battery Cabinet

User & Installation Manual

Infrastructure

R90-EBP32 battery pack dimension is W483*H133*D735 mm. It includes battery connection cables, breaker, fuse, terminal, etc, with max. capacity of 32pcs 12V/7AH or 12V/9AH batteries inside. The battery connection could be configured to output $\pm 192V$, two groups batteries connect in series as BAT+, N, BAT-.

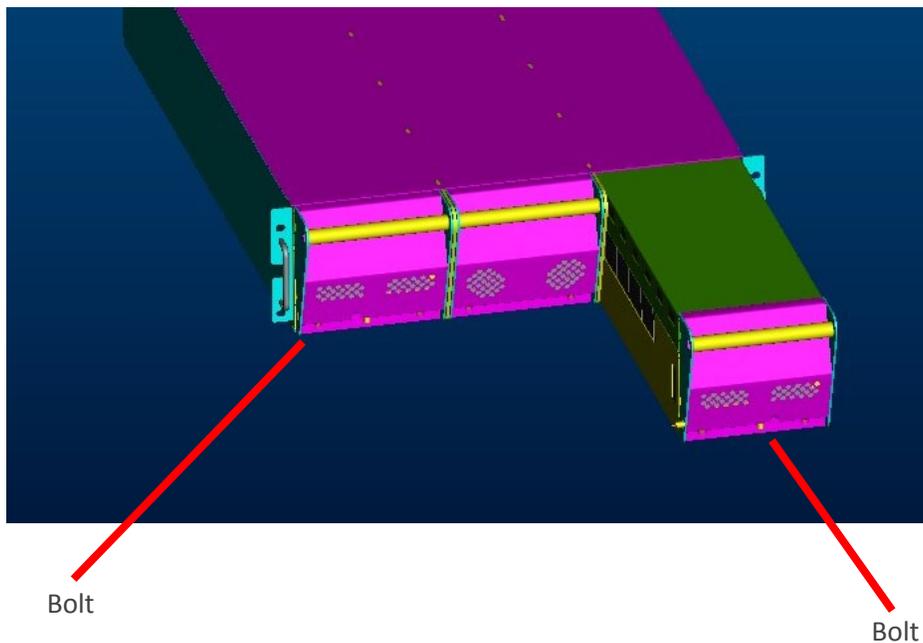


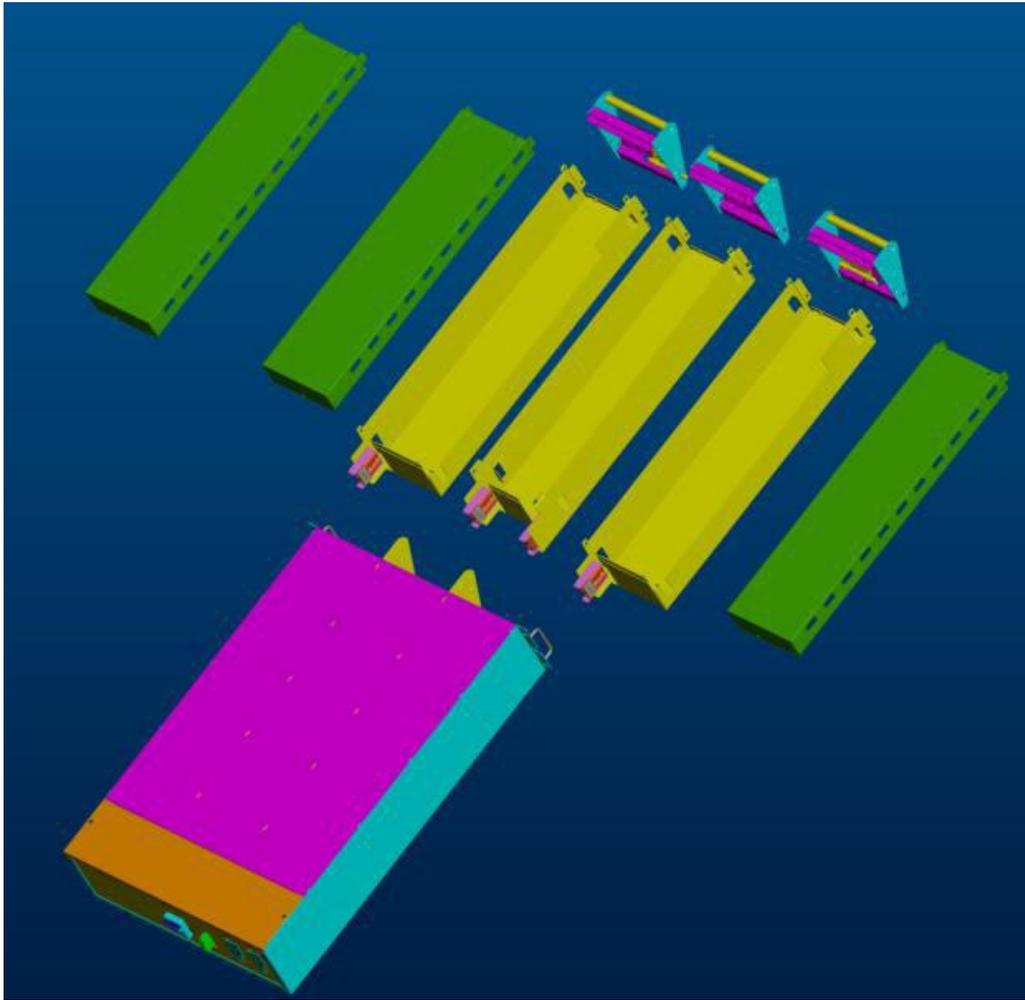
The complete battery pack cabinet

Assembly

Dismount the Cabinet Shell

Put the battery pack on a level, pull of bolts at the left & right side battery trays, than pull out the battery tray, remove the battery tray top covers and handle covers for easier battery installation and connection.

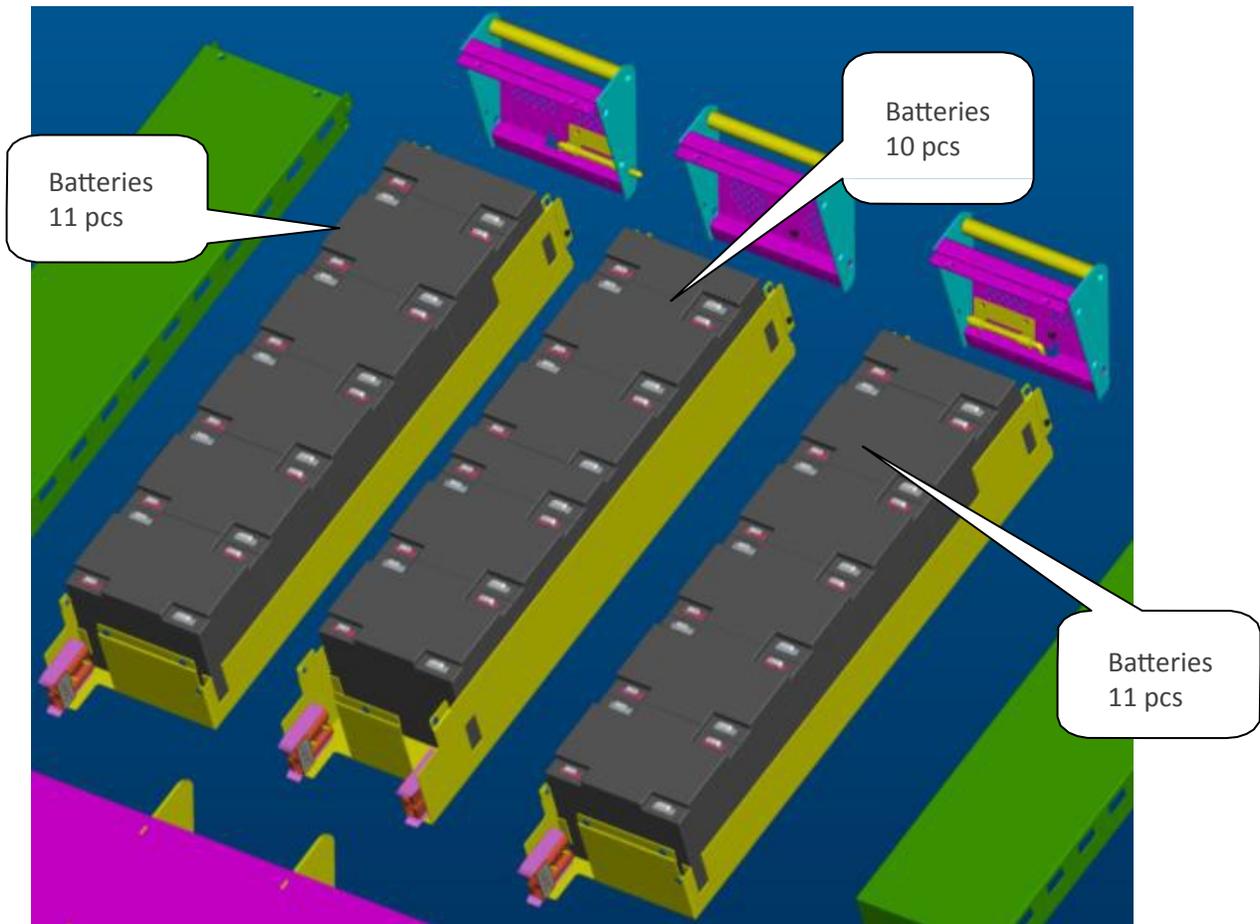




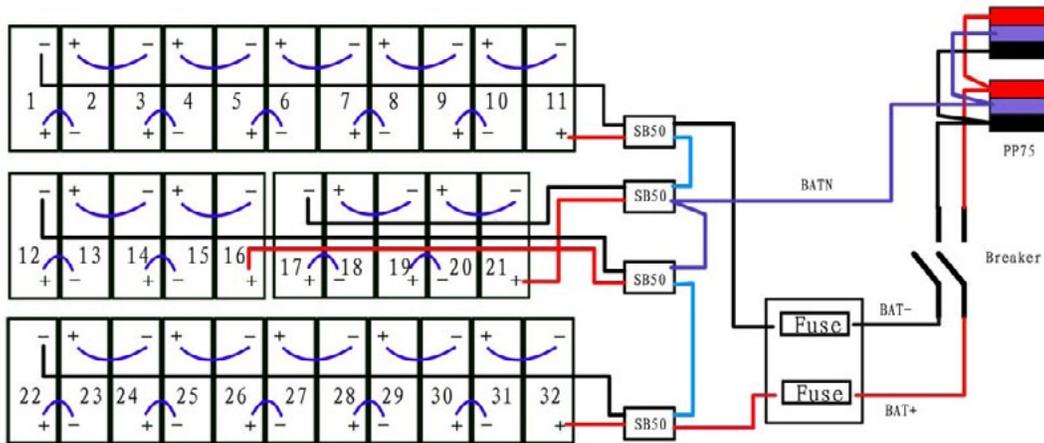
Battery Installation and Connection

Users need 32 pcs batteries, divide into 2 groups. Each group has 16 pcs batteries in series, as (BAT+, N, BAT-) shown below.

32 pcs batteries installation and connection: Left & Right battery trays each fit 11 pcs batteries, the middle battery tray fit 10 pcs batteries, then connect the batteries as shown in below pictures.



32 pcs batteries installation



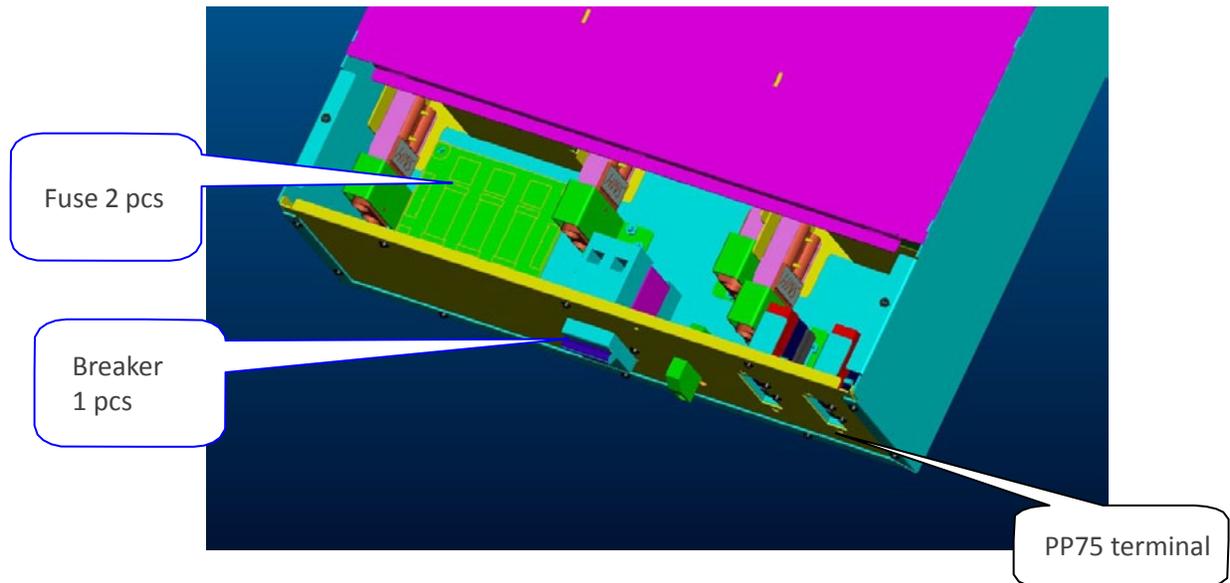
32 pcs batteries installation

After the battery installation and connection done, check if BAT+ to N & N to BAT- voltages are correct with multi meter or other equipment. Install the cover if the voltages are correct.

NOTE: Battery "+" "-" poles cannot be reversed, also cannot short the battery "+" "-" poles, otherwise batteries would be damaged or other accidents would happen. Don't touch the battery "+" "-" poles at the same time. It's better only single man make the operation.

Fuse in Battery Pack

The battery pack has 2 pcs fuses inside as shown in below picture.



Battery Pack Accessories

A complete R90-EBP32 battery pack includes below accessories:

No.	Name	Specification	PCS
1	Cable 1#,2#	2 wires 1015 10AWG 660/150mm 250TC*2+SB50A(black for "-", red for "+")	2
2	Cable 3#	2 wires 1015 10AWG 650/400mm 250TC*2+SB50A(black for "-",red for "+")	1
3	Cable 4#	2 wires 1015 10AWG 370/225mm 250TC*2+SB50A(black for "-",red for "+")	1
4	Cable 5#	7 wires (balck,white, red) 1015 10AWG 280/80/300/100/150/210/130mm PP75*2+OI5.5-5*2+SB50A*4	1
5	Cable 6#	2 wires(black,black) 1015 10AWG 180/100mm E6012+PP75*2	1
6	Cable 7#	2 wires(red, red) 1015 10AWG 180/100mm E6012+PP75*2	1
7	Cable 8#	Red wire 1015 10AWG 280mm OI5.5-5+E6012	1
8	Cable 9#	Black wire 1015 10AWG 230mm OI5.5-5+E6012	1
9	Cable	Black wire 1015 10AWG 120mm 250TC*2	14
10	Cable	Black wire 1015 10AWG 75mm 250TC*2	14
11	Cable	Green & Yellow 1015 10AWG 70mm OI5.5-5+E60-12	1
12	Breaker	NDB2Z-63 C63/2 2P 63A/440VDC UL certified	1
13	PCBA	Fuse board UHTBJST1UX11	1
14	User manual	142.5*210mm	1
15	Battery Pack	483*133*735mm	1
16	Terminals	Terminal QCTB10PE 65A/10mm ² 600V UL Green & Yellow	1