

Installation Guide for VRLA Battery (2V)

Installation cautions:

- **Installation preparation:** 1. Unpacking, check accessories 2.Prepare tools (open wrenches, box wrenches, millimeter) 3.Wind insulated tape on tools 4. It is forbidden to contact organic solvent and metal to batteries
- **Installation area:** A passageway for maintenance and inspection should be reserved during installation
- **Floor bearing ability:** Choose appropriate installation method according to floor weight bearing ability

- **Safeguarding:** Protect yourself during the installation and maintenance. Recommend wear protective equipment such as rubber gloves and goggles. Forbid open fire and the operation that easily produce sparks in battery room. Be careful when carry and installation, and handle with care, no rolling battery.
- **Installation connect:** Please make the installation according to installation drawings and manual strictly. The distance between each battery is suggested to be more than 10mm. Guarantee the heat dissipation.
- **Installation check:** Please check one by one whether screws are tight after installation. Caution the polarity to forbid short circuit. Measure the total voltage of battery pack.

Battery Rack Classify

Narada battery horizontal installation, racks mainly be divided into two categories: Detachable iron rack installation(applicable to ABS material container battery) and Overall battery box(applicable to PP material container battery).
(To increase the stability of rack, the hole site were reserved to steady ground which can be convenient for customer)

1. Detachable iron rack installation

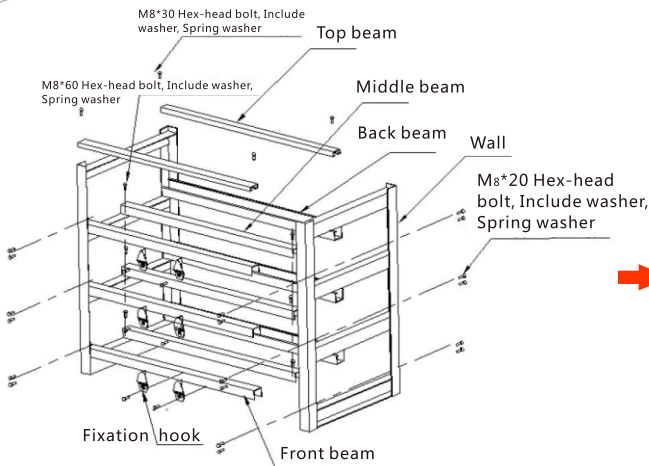


Figure 1 Battery rack explosive view
(The components of rack assembled by bolts to be a whole)

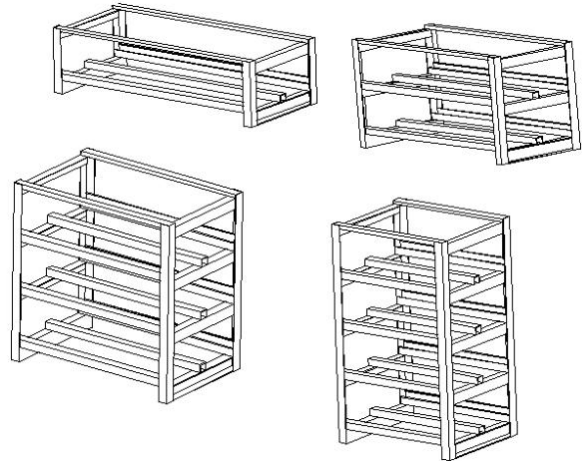


Figure 2 Battery rack sketch map of different layer
(Choose suitable layer rack according to the installation area)

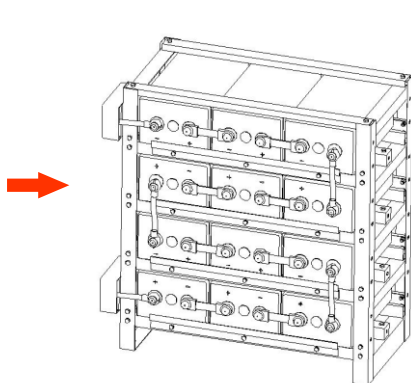


Figure 3 Design sketch after batteries installed
(Pay attention to the battery positive and negative polarity, all the bolts must be tightened)

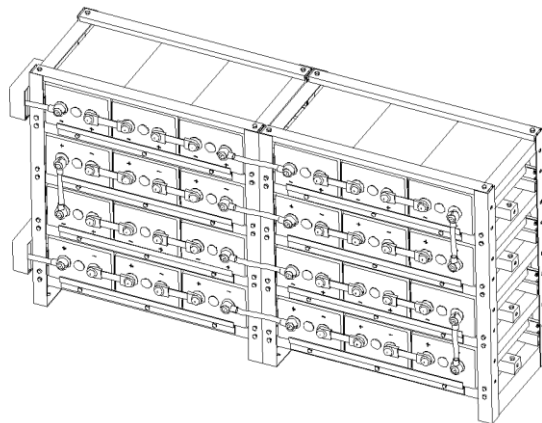


Figure 4 The sketch map of racks in parallel
(Two or three more racks in parallel connected by bolts)



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2. Overall battery box installation

● Overall battery box hauling

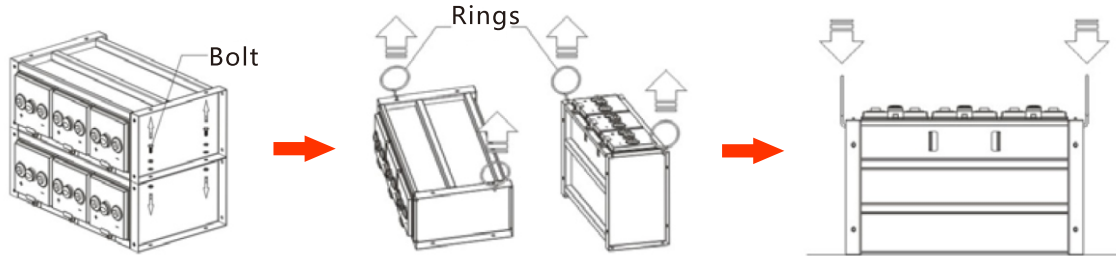


Figure 1 Loosen the fixed bolt
(The battery has been installed into battery box when delivery)

Figure 2 Haul the overall battery box through handling tools
(Must be careful when hauling)

● Battery box installation

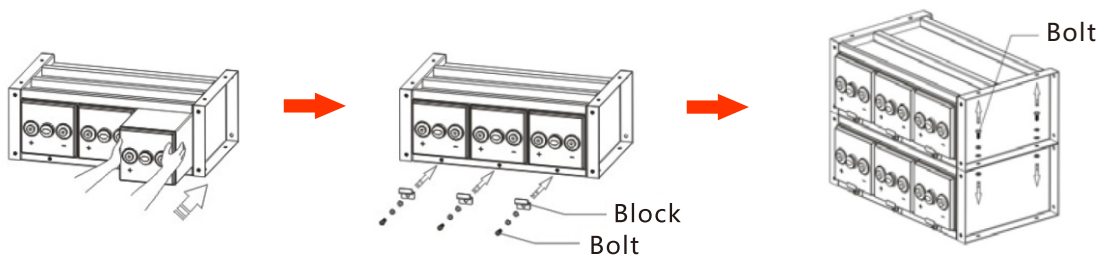


Figure 1 Install battery into battery box
(Must be smooth and careful when push the battery into, and be care the battery positive and negative polarity nearby)

Figure 2 Fastening battery
(Fasten the battery into box through block pieces and bolts)

Figure 3 Battery box stacking installation
(The battery box was fixed together through screwed bolts after battery fastened. The connection must be operated according to connection sketch map, always be care the positive and negative polarity)

Other main components of battery

Output terminal

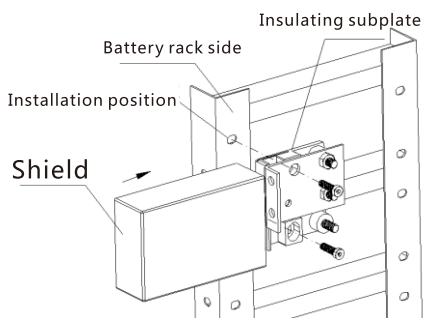


Figure 1 Sketch map of output terminal
(The outside cable of customer connect battery pack through output terminal.)
(Site the output terminal according to installation sketch map, connect output terminal with box by insulating padding plate, ensure every bolt was screwed.)

Inner connection cable

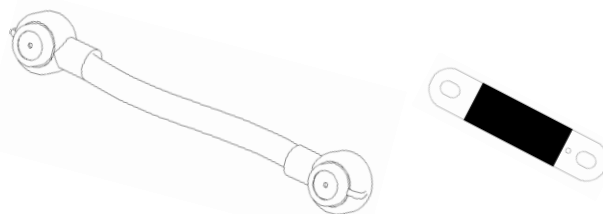


Figure 2 Soft tiebar

Figure 3 Connection copper row

(Narada will provide inside connector cable of battery pack, the customer must ensure all the bolts were screwed, and prevent battery short circuit.)

