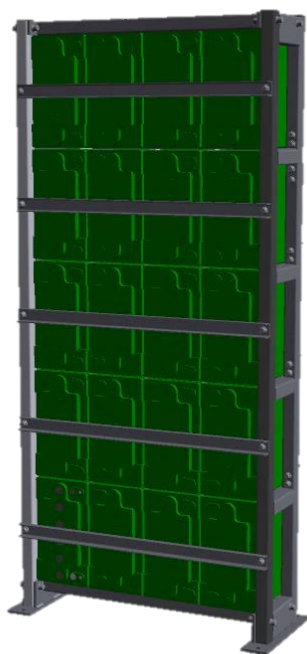


grid | XtremeStack seismic

Montageanleitung

Assembly Manual



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1 Foreword

Dear customer,

Thank you for choosing a product from our company.

Please read this documentation carefully before setting up the stacking device and installing the battery. It contains important information on the safe and professional installation of your grid | XtremeStack. Failure to observe the safety instructions and installation instructions can lead to serious personal injury and damage to property.

These assembly instructions are intended for trained specialist personnel for the intended use of the stacking device.

Keep this documentation in such a way that it is immediately available to all persons who have to carry out activities in connection with the stacking device.

We accept no liability for direct or indirect damage resulting from improper handling and all warranty claims are void.

We reserve the right to make changes to the content of this documentation. HOPPECKE Batterien GmbH & Co KG is not liable for any errors in this documentation. Liability for indirect damage arising in connection with the use of this documentation is also excluded. Our products are constantly being further developed, so there may be differences between the descriptions in this documentation and your purchased product.

2 Intended use

The grid | XtremeStack seismic battery rack has been specially developed to accommodate **grid | Xtreme VR** batteries in the top terminal version. It is only to be used in conjunction with this type of battery. The batteries are stacked in the stacking device on each level on a separate intermediate layer to ensure a stable and form-fit battery arrangement.

3 General safety instructions

The assembly and installation instructions for the batteries must be read and observed; if you are unsure, please contact the seller.

In accordance with the European safety standard EN 62485-2, metal battery frames must be insulated against the battery and the installation site. Compliance with the applicable safety standard must be observed not only in relation to the stacking device, but also to the entire battery system.

Any other use of the battery rack is not permitted. Installation and maintenance work on the battery system may only be carried out by trained specialist personnel. Modifications to the stacking device may result in a change in the load capacity. Modifications must be carried out in accordance with the supplier's instructions.

Our stacking device has a protective insulated coating and is also insulated from the floor with plastic plates. Once the battery system has been installed, a "protective insulation" notice must be affixed in the visible area. Metal components with a damaged coating must be repaired or replaced with undamaged components in order to guarantee the protective insulation.

4 Requirements for the installation site

When determining the installation location and space requirements, as well as when carrying out the installation work, please refer to the valid installation drawing, if available. It should also be noted that the 1-row stacking devices must be positioned at the planned installation site before installation. The stacking device is a plug-in system that must also be bolted together with the supplied fastening screws for increased safety. The stacking devices must be fastened to the wall using the wall fasteners supplied before they are loaded. The floor must be suitable for the installation of the subsequent battery system.

The following points must be taken into account:

- Level floor
- Suitable load-bearing capacity of the floor (load-bearing capacity must be checked before installation)
- Sufficient conductivity
- Shock/vibration-free
- Minimum distances in accordance with EN 62485-2 must be ensured
- Sufficient room ventilation must be ensured
- The air in the battery room must be free of impurities

- Warning signs in accordance with EN 62485-3 must be affixed in the battery room
- No ignition sources in the vicinity of the cell openings
- The specified operating temperature is between 20°C - 25°C
Lower temperatures lead to a reduced available capacity and care must be taken to ensure that the maximum limit temperatures of the batteries are not exceeded
- The environment must be clean and dry
- The access door must be lockable and fire-retardant

5 Assembly preparation








- Check the goods for paint damage or defective components.
- Check the goods for completeness.
- If components are defective or missing, contact the supplier/seller.
- Ensure that the floor is stable and level for installation to ensure a vertical, perpendicular and stable installation.
- Check the walls/floors to ensure that the wall or floor bracket can be securely and stably attached.









6 Important assembly instructions

Once the stacking device has been successfully installed, ALL screws, nuts and front openings must be covered with caps.

When wiring the battery system, insulated cables and connectors in accordance with EN 62485-2 must be used.

7 Partlist

2 x Side-panels 	1 x Floor parts 	1 x Cover frame 	2 x L-angle 1 
2 x L-angle 2 	4 x end caps 40x40 	8 x screw M8x65 	

Quantities depending on floors	3	4	5	6	7	8
Intermediate wall 	9	12	15	18	21	24
Front parapet 	3	4	5	6	7	8
Inlay plates 	2	3	4	5	6	7
Screw M8x20 	10	12	14	16	18	20
Washer für M8 	54	64	74	84	94	104
Nut M8 	24	28	32	36	40	44
PE-cap für M8 	54	64	74	84	94	104
Screw M8x60 	12	16	20	24	28	32

8 Assembly of the stacking device

After you have completed the assembly preparation, you can start assembling the stacking devices. It is recommended to perform the assembly

with two professionals to ensure a safe assembly.

You will need the following tools to assemble the fixture:

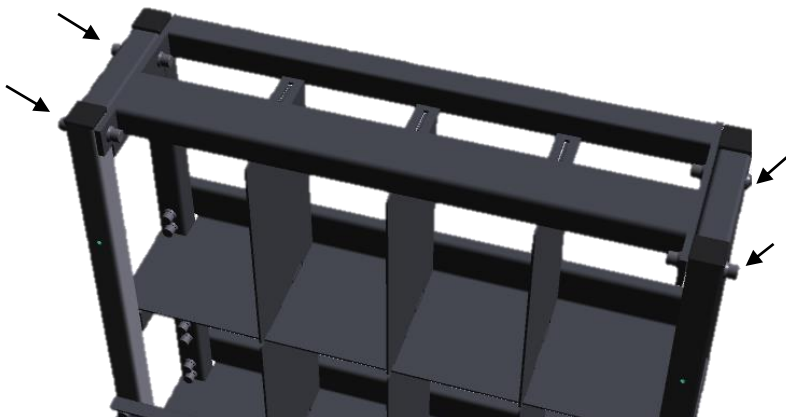
- Rubber hammer
 - Large ratchet with 13mm socket
 - 13mm wrench
 - Spirit level
 - Folding rule / measuring tape
-
- Place the base plate on the floor.



- Insert the side sections into the base sections on the left and right.
- Screw the side sections together using the M8 x 65 spanner bolts supplied and the corresponding washers and nuts.
- Then insert the first 3 partition walls into the base assembly.
- Then insert the first partition wall and screw it in place using the M8 x 60 spanner bolts and the corresponding washers and nuts.



- Do this again with all the shelves.
- Finally, assemble the top frame using the M8 x 65 spanner bolts and the corresponding washers and nuts.



- Before you insert the batteries into the frame, the grid | Xtremetack seismic must be attached to the wall. To do this, the L-bracket 1 must be screwed in place using the M8 x 60 spanner bolts and the corresponding washers and nuts.



- To adjust the wall distance precisely to the surroundings, the L-bracket 2 is screwed in place using M8 x 20 spanner bolts and

the corresponding washers and nuts.



- The batteries can now be installed.
- The front parapet can be screwed in place using the M8 x 20 screws and the corresponding nuts and bolts.
- Finally, all screws must be fitted with cover caps and 4 end caps in the cover frame.



9 Connection of the batteries

Once the batteries have been installed and the stacking device has been attached, the batteries can be interconnected. Ensure that the connectors and connection cable are insulated to further ensure protective insulation.



Only fit the flexible connectors at the top; the other batteries can be interconnected using rigid connectors.

When wiring, the instructions with the corresponding safety instructions for the battery must be observed!

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