

GXT5-EBC192VRT3U & GXT5-EBC384VRT6U Battery Cabinet

Installation & Commissioning Manual

GXT5-EBC192VRT3U & GXT5-EBC384VRT6U battery cabinet (battery cabinet for short) is an option of GXT 5G series UPS (UPS for short). GXT5-EBC192VRT3U battery cabinet must be used with GXT5-5000IRT5UXLN,GXT5-5000HVRT5UXLN,GXT5-6000IRT5UXLN,GXT5-6KL63ORT5UXLN,GXT5-8000IRT5UXLN,GXT5-8000HVRT5UXLN,GXT5-10KIRT5UXLN,GXT5-10KHVRT5UXLN,GXT5-5000IRT5UXLE,GXT5-6000IRT5UXLE,GXT5-8000IRT5UXLE,GXT5-10KIRT5UXLE UPS, and GXT5-EBC384VRT6U battery cabinet must be used with GXT5-16KIRT9UXLE,GXT5-20KIRT9UXLE,GXT5-16KIRT9UXLN,GXT5-20KIRT9UXLN

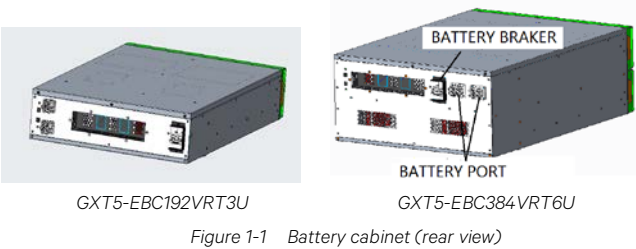
To ensure smooth operation, please read this manual carefully before installing and operating the battery cabinet.

1 Product Introduction

The battery cabinet is used to accommodate external batteries of UPS. Before delivery, GXT5-EBC192VRT3U battery cabinet has been installed with two battery groups each including eight 12Vdc batteries in series. GXT5-EBC384VRT6U battery cabinet can accommodate four battery groups each including eight 12Vdc batteries.

1.1 Appearance And Port

The rear panel of the battery cabinet provides battery ports (silk print: BATTERY CONNECTOR) and an BATTERY BREAKER (silk print: CIRCUIT BREAKER), as shown in Figure 1-1.



Note

Non-professionals are prohibited from opening the chassis cover of the battery cabinet.

1.2 Technical Specifications

See Table 1-1 for the mechanical specifications of the battery cabinet.

Table 1-1 Mechanical specifications

Model	Dimension (D × W × H)	Weight
GXT5-EBC192VRT3U	600mm × 430mm × 130mm	58kg (with battery)
GXT5-EBC384VRT6U	600mm × 430mm × 261mm	105kg (with battery)

See Table 1-2 for the environmental specifications of the battery cabinet.

Table 1-2 Environmental specifications

Parameter	Recommended range
Ambient temperature	0°C ~ 50°C
Relative humidity	0%RH ~ 90%RH (non-condensing)
Altitude	≤ 3000m
Atmospheric pressure	1 standard atmosphere

2 Installation

2.1 Installation Environment

The installation environment of the battery cabinet should meet the following requirements:

- Well-ventilated, avoid direct sunlight
- Far away from water and heat sources, flammables and explosive substances
- Free of dust, volatile gas, salt, and corrosive materials

2.2 Unpacking Inspection

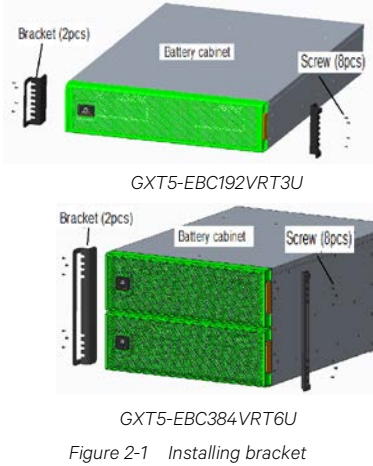
- Unpack the battery cabinet and visually inspect its appearance. If you find any shipping damage, notify the carrier immediately.
- Check against the delivery list that all accessories are present and correct.

2.3 Mechanical Installation

The battery cabinet adopts two installation modes: installation in a rack or on a horizontal table-board.

2.3.1 Installation In A Rack

- Locate the accessory brackets and M4 screws. Use the screws to fix the brackets onto the battery cabinet through the installation holes, as shown in Figure 2-1.



- Put the battery cabinet on the guide rails in the rack, and push it into the rack completely.
- Through the brackets, use M5 screws to fix the battery cabinet onto the rack.

2.3.2 Installation On A Horizontal Table-Board

- Clean the horizontal table-board. Confirm that there are no obstacles around.
- Put the battery cabinet on the horizontal table-board with care. Ensure that the table-board is steady.

2.4 Cable Connection

2.4.1 Notes

- Different UPSs cannot share the same battery group, or the UPSs will be damaged.
- Batteries of different models, manufacturers and use states can not be used together.
- Use a multimeter to measure the voltage of the battery group, which should be at least 192Vdc for GXT5-EBC192VRT3U battery cabinet and at least 384Vdc for GXT5-EBC384VRT6U battery cabinet.
- The battery cabinet is delivered with a 0.6m long battery cable(600mm for 192V, 850mm for 384V). Users should not use their own cable.
- Before connecting or replacing the battery cable, open the BATTERY BREAKER of the battery cabinet.
- Do not reverse the battery polarities.

2.4.2 Connection Procedures

Connecting battery cabinet and UPS

- Open the BATTERY BREAKER of the battery cabinet.
- Locate the battery cable accessory, connect one end of the battery cable to the battery port on the rear panel of the UPS, and connect the other end to any battery port on the rear panel of the battery cabinet.

Connecting battery cabinets in parallel

- Open the BATTERY BREAKER of the battery cabinet.
- Locate the battery cable accessory, and connect it between any two battery ports of the two battery cabinets.

Liebert

Address: 1050 Dearborn Drive P.O. Box 29186 Columbus, OH43085

encounter with your Liebert product. Please call or e-mail us:

Technical support:

e: liebert.upstech@vertivco.com

p: 1-800-222-5877 menu option 1

Monitoring support:

e: liebert.monitoring@vertivco.com

p: 1-800-222-5877 menu option 2

Warranty support:

e: microups.warranty@vertivco.com

p: 1-800-222-5877 menu option 3

Copyright©2018 Vertiv Co. All rights reserved. The contents in this document are subject to change without notice.

Version V1.1 Revision date December 3, 2018 BOM 31013889