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Power Shield PSRTBB
PowerShield Battery Bank

Power Shield PSRTBB PowerShield Battery Bank User Guide

Contents

Power Shield

Power Shield PSRTBB PowerShield Battery Bank

Specifications

- Model Numbers: PSRTBB6, PSRTBB8, PSRTBB12
- Suitable UPS Models
    - PSRTBB6 suits PSCERT1000(L)
    - PSRTBB8 suits PSCERT2000SB, PSCRT2000
    - PSRTBB12 suits PSCERT2000(L), PSCERT3000(L), PSCRT3000

Product Usage Instructions

Introduction
Thank you for purchasing the PowerShield Battery Bank. Before starting to use the product, please read the user manual for instructions on safety, installation, operation, maintenance, and warranty. Keep the manual in a safe place for future reference.

Package Contents
Include all items mentioned in the package contents section of the user manual.

Product Overview
These units are compatible with specific Battery Bank and UPS models as listed in the user manual.

Installation and Setup with UPS

Unpacking and Inspection
Remove the battery bank from the packaging carefully by following appropriate manual handling procedures due to its weight.

Selecting Installation Location
The unit can be rack mounted or placed vertically with the provided feet. Follow the instructions for both rack and tower installations.

Connecting with UPS and Other Battery Box
Use battery connection cables to connect the UPS to the battery bank. Do not connect the RJ11 detection cable to the SNMP card to prevent damage. Adjust the Ah battery menu settings as instructed in the user manual.

Battery Replacement

Refer to the user manual for suitable battery cartridge replacements for each model of the Battery Bank.

Storage and Maintenance
Prior to storage, charge the Battery Bank for 6 hours. Store it covered and upright in a cool, dry location. Follow the recharge frequency guidelines provided in the user manual.

Important Safety Warnings

- Follow all safety instructions provided in the user manual.
- Avoid making changes or modifications not approved by PowerShield to prevent warranty voidance.
- Only factory-trained service personnel should perform repairs on the Battery Bank.
- Avoid exposure to hazardous voltages within the Battery Bank.
- Install and operate the unit only in controlled environments to avoid damage.
- Avoid exposure to liquids, foreign objects, and high short circuit currents.

FAQ

- **Q: Can I use any type of UPS system with this Battery Bank?**
  - A: No, connecting to any other type of UPS system not specified in the user manual may cause damage to both the UPS and the battery bank.
- **Q: How often should I recharge the Battery Bank during storage?**
  - A: Refer to the recharge frequency guidelines provided in the user manual. Typically, it is recommended to recharge every 2-3 months depending on storage conditions.

INTRODUCTION

Thank you for purchasing the PowerShield Battery Bank. Before you start using the product, please read this user manual. It contains instructions relating to safety, installation, operation maintenance and warranty. Please keep this manual in a safe place for future use.

PACKAGE CONTENTS
Included in the box

- PowerShield Battery Bank
- DC battery cable
- Ears x 2 & screw x 8
- Extended stand
- Quick Guide
- Battery Anderson plug colour code:
  - Red for PSRTBB6
  - Grey for PSRTBB8
  - Blue for PSRTBB12

PRODUCT OVERVIEW

These units are suitable with the following models

Battery Bank	Suitable for UPS model
PSRTBB6	PSCERT1000(L)
PSRTBB8	PSCRT2000 PSCERT2000SB
PSRTBB12	PSCRT3000 PSCERT2000(L) PSCERT3000(L)

INSTALLATION AND SETUP WITH UPS

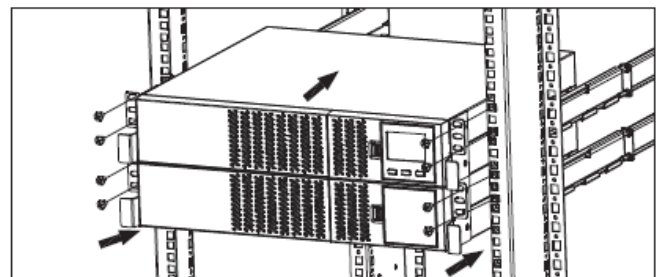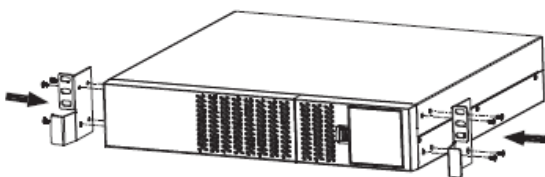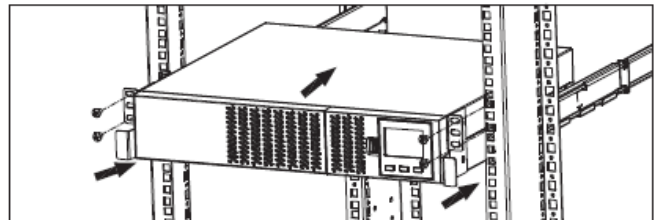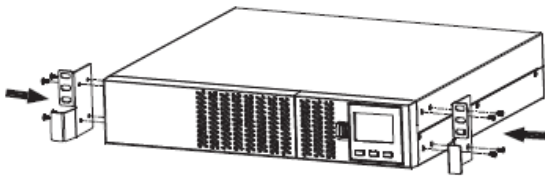- **Unpacking and Inspection**

  Remove the battery bank from the packing.

  Note: The battery bank is heavy, please follow appropriate manual handling process

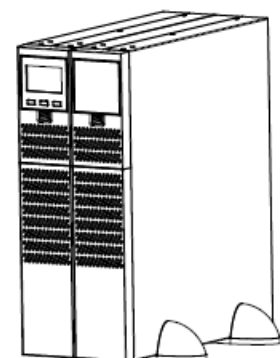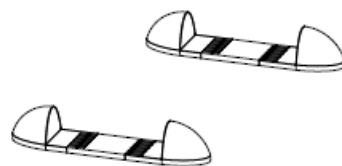- **Selecting Installation Location**

  This unit can either be rack mounted or placed vertically with the feet provided with the UPS.
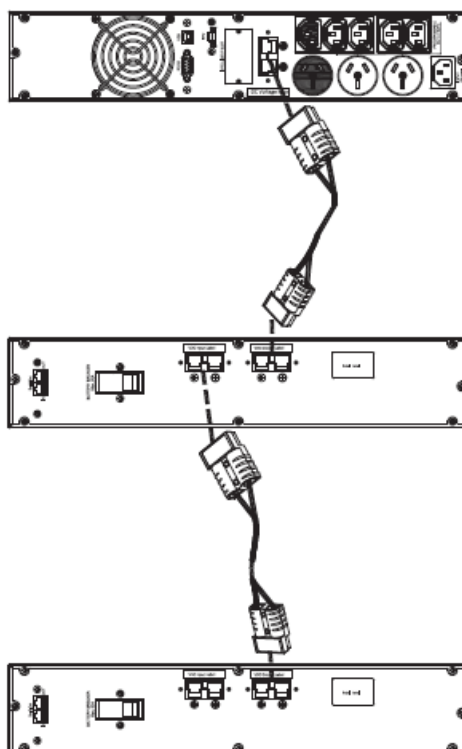
Rack Installation

Tower Installation

**Connecting with UPS and Other Battery Box**
Use Battery connection cables to connect UPS to 1st battery bank and daisy chain subsequent battery banks with additional cables.

- Please DO NOT connect RJ11 detection cable to SNMP card as this will cause damage to the UPS and network card.
- Please refer to the UPS User manual to ensure the run time has been updated to be displayed correctly.
- From the front panel display navigate to the Ah battery menu and change from default setting of 9Ah and increase by 18Ah per battery bank connected.
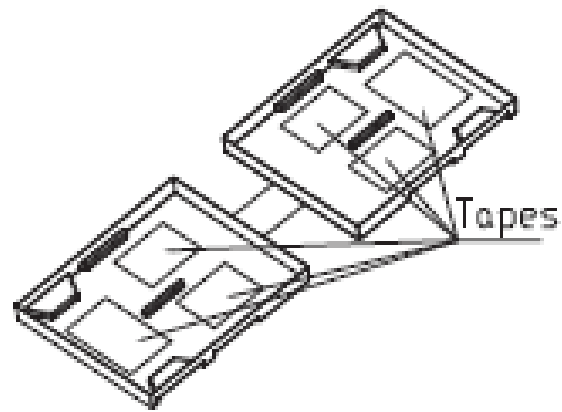
BATTERY REPLACEMENT

Battery Bank	Suitable Battery Cartridge
PSRTBB6	PSBC3 x 2
PSRTBB8	PSBC4 x 2
PSRTBB12	PSBC6 x 2

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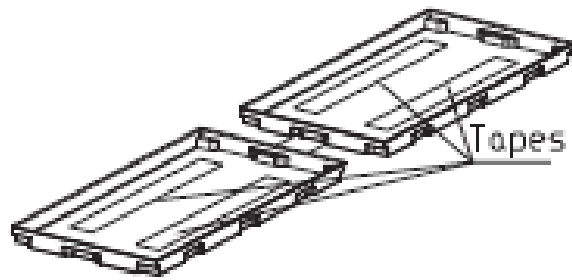
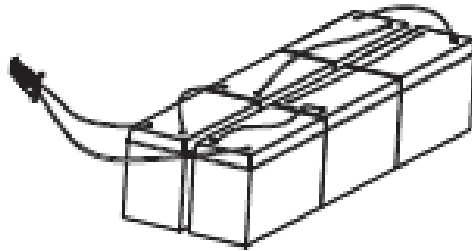9

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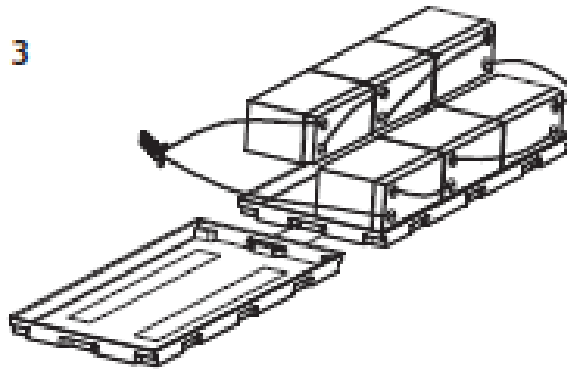**3-Battery Kit**

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Tapes

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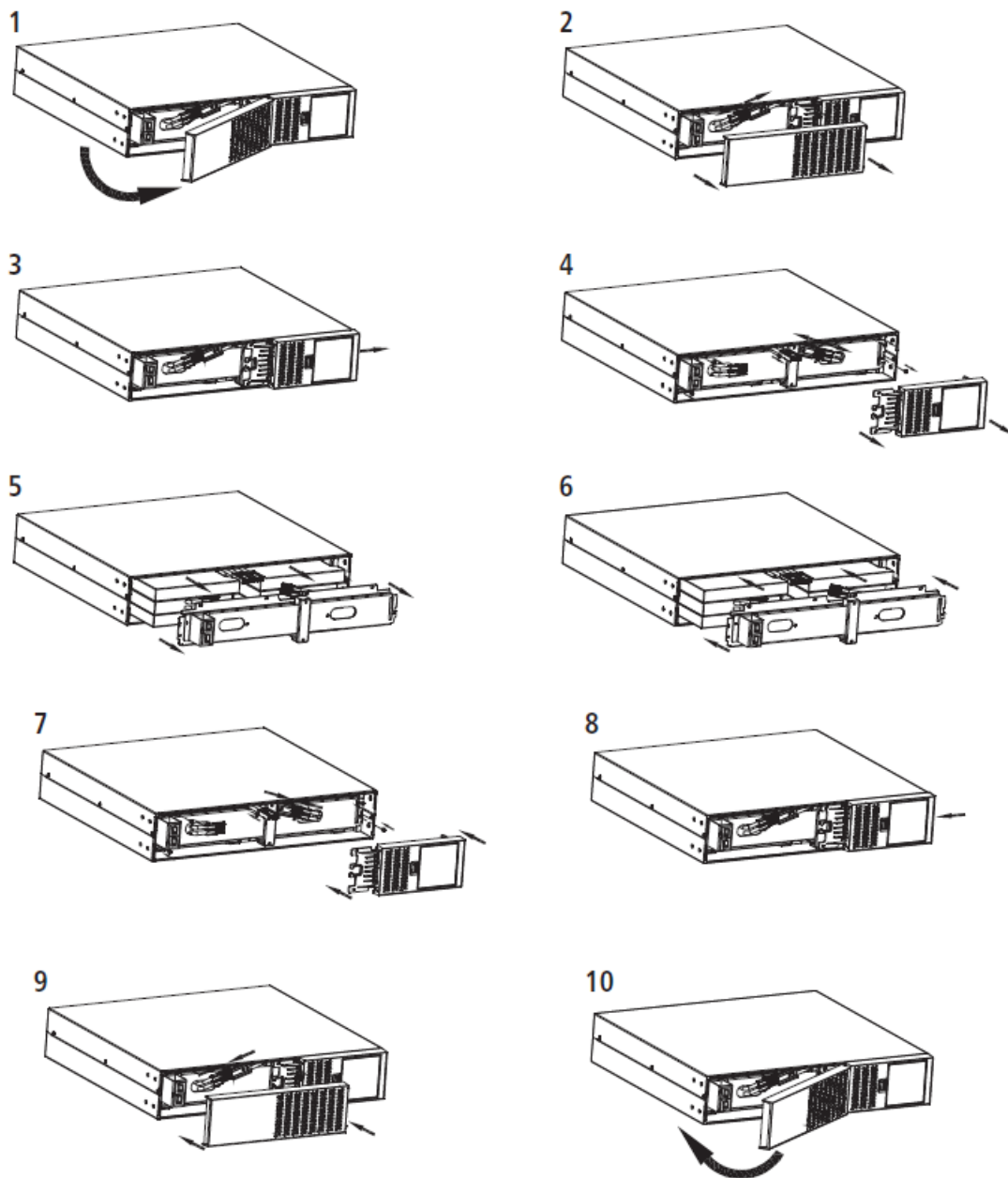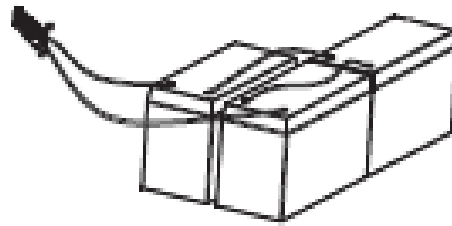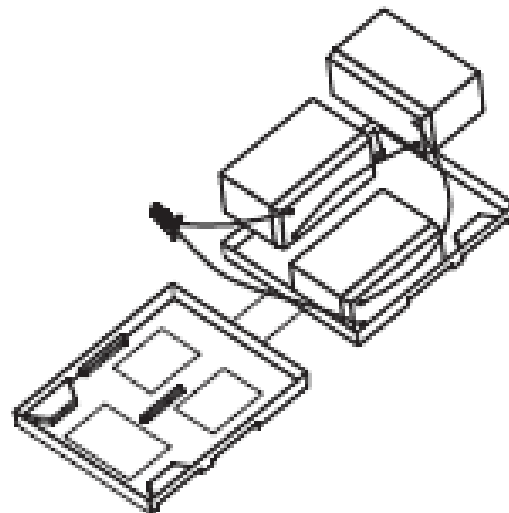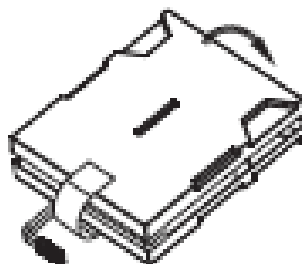
6-Battery Kit
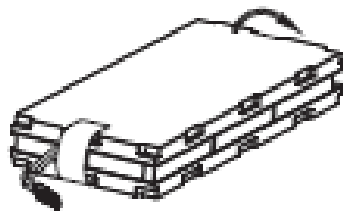
STORAGE AND MAINTENANCE

Storage
Before storing, charge the Battery Bank for 6 hours. Store the bank covered and upright in a cool, dry location. During storage, recharge the battery in accordance with the following table

Storage Temperature	Recharge Frequency	Charging Duration
-25°c–40°c	Every 3 months	1–2 hours
40°c–45°c	Every 2 months	1–2 hours

IMPORTANT SAFETY WARNINGS

- SAVE THESE INSTRUCTIONS—This manual contains important instructions that should be followed during installation and maintenance of the batteries.
- **WARNING:** Changes or modifications not expressly approved by PowerShield will void the manufactures warranty.
- This product has no user replaceable components. All work must be undertaken by a competent person.
- This Battery Bank utilizes voltages that may be hazardous. Do not attempt to open the Battery Bank.
- Only factory trained service personnel may perform repairs. If the unit is opened by a non factory trained person, or not under the instruction of PowerShield, the warranty may be voided.
- The Battery Bank is designed to be installed and operated without the need for specialised training.
- Connection to any other type of UPS system not scheduled in this document may cause damage to the UPS and or battery bank.
- This unit is intended for installation in a controlled environment (temperature controlled, indoor area free of conductive contaminants).
- (0-40°C and 0-90% RH – non-condensing)
- Avoid installing the UPS in locations where there is standing or running water, or excessive humidity.
- Do not allow any liquids or any foreign object to enter the UPS.
- A battery can present a risk of electrical shock and high short circuit current.

The following precautions should be observed when working on batteries

1. Remove watches, rings, or other metal objects from hands.
2. Use tools with insulated handles.
3. Wear rubber gloves and boots.
4. Do not lay tools or metal parts on top of batteries.
5. Do not place battery close to fire or heat, as the battery may explode.
6. Confirm UPS is not operating on batteries, then disconnect Battery Bank from UPS before any work is undertaken on the Battery Bank.
7. When changing batteries, install the same PowerShield approved battery pack.
8. Do not open or mutilate the battery or batteries.
9. Dispose of batteries in accordance with local requirements.

PHYSICAL

Battery Bank	Dimension, D x W x H (mm)	Weight (kgs)
PSRTBB6	380 x 438 x 88	22
PSRTBB8	480 x 438 x 88	25
PSRTBB12	600 x 438 x 88	42

Documents / Resources

Power Shield PSRTBB PowerShield Battery Bank [pdf] User Guide
PSRTBB, PSRTBB PowerShield Battery Bank, PowerShield Battery Bank, Battery Bank, Bank

References

- **User Manual**