



UPS BATTERY CABINET
Catalogue | 2023

AIEMC offers a line of UPS cabinets for its rackmount UPS series. These UPS cabinets with integral overcurrent protection are compatible with battery configurations up to 45Ah and are optimized to meet application runtime needs.

Appropriate battery sizing will ensure that the autonomy is of an adequate duration for the load supplied. The user should first decide what battery autonomy is required, then select the battery configuration and cabinets accordingly. This document assists in this process, which may be broken down into the following steps:

1. Choose the UPS power and type
2. Define the backup time required
3. Choose batteries
4. Check autonomy table for appropriate battery configuration
5. Check technical specification of selected UPS cabinets for further information

FEATURES

- Customizable design
- Extendable backup time
- Compact modular form
- Quickly set up and installation
- Small footprint
- Smart lock option
- Additional accessories

APPLICATIONS

- Critical applications and systems
- Data Centers
- Network workstations
- Education, healthcare, telecom, manufacturing, government



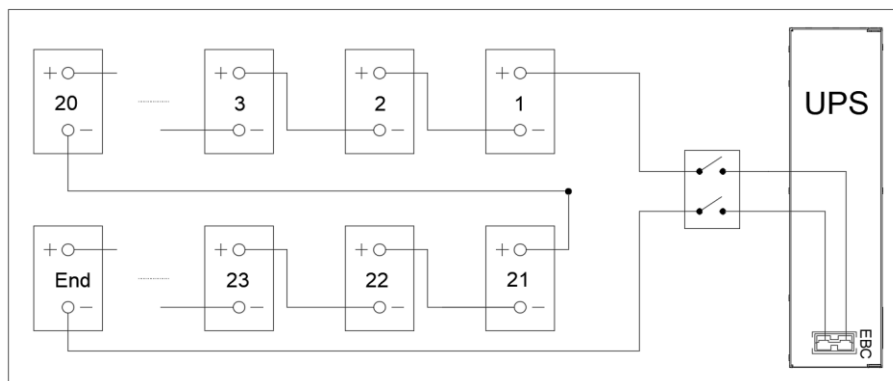
SPECIFICATION

MODEL NUMBER	UBC-8060	UBC-1260	UBC-1860
Dimensions (mm) (W x H x D)	600x800x750 mm (23.6"x31"5x29.5")	600x1200x750 mm (23.6"x47.2"x29.5")	600x1800x750 mm (23.6"x70.9"x29.5")
Net Weight (kg)	55.2 kg (121.7 lbs)	95.7 kg (210.9 lbs)	124.6 kg (274.7 lbs)
Battery Type	VRLA 12VDC		
Quantity Battery	Up to 30	Up to 60	Up to 90
Battery Capacity	12Ah ~ 45Ah		
Operating Temp, °C (°F)	0 to 40 (32 to 104)		
Storage Temp, °C (°F)	-15 to 40 (5 to 104)		
Relative Humidity	0 – 95% non-condensing		
Operating Elevation	Up to 3,000 m (9,842.5 ft.) at 25 °C (77 °F)		
Color	Black RAL9005/ White RAL7035		
Shipping Dimensions	700x900x820 mm (27.5"x35.4"x32.3")	700x1300x820 mm (27.5"x51.2"x32.3")	700x1900x820 mm (27.5"x74.8"x32.3")
Shipping Weight	*may include battery and inter-link		

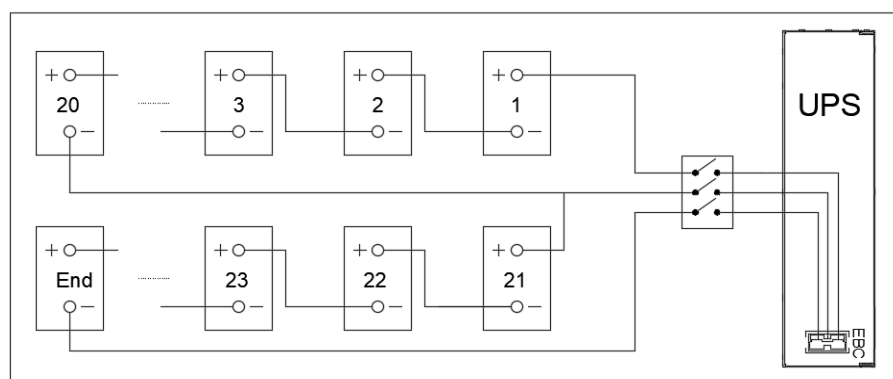
Only qualified personnel are allowed to install and maintain the battery. To ensure safety, the external batteries are to be installed inside a lockable cabinet or in a purpose-designed, dedicated battery room, so that they are only accessible to qualified service personnel.

1. All the battery cabinets or battery racks must be connected together and properly grounded.
2. When multiple batteries are used, they shall be connected in series and then in parallel. Before loading and power-up, it must be detected that the total voltage of the batteries. The negative and positive poles of the batteries must be connected to the negative and positive battery terminals of the UPS according to the labels on the battery and UPS. If the battery is reversely connected, explosion and fire may be caused, it may result in battery and UPS damage or even human injury.
3. When connecting the cable between battery terminal and BCB, the BCB terminal shall be connected first.
4. The bending radius of the cable shall be larger than $10D$, wherein D is the outer diameter of the cable.
5. When the battery cable is connected, it is prohibited to pull the battery cable or the cable terminal.
6. The battery connecting terminal shall not be subject to any force, such as the pulling force or twisting force of the cable, otherwise, the internal connection of the battery may be damaged. Severe damage to the battery may cause fire.

UPS Battery Cabinet



UPS Battery Cabinet



Battery string connection principle diagram

Installing Battery

1. Before installation, you must inspect the appearance and accessories of the battery, and carefully read this manual and the user manual provided by the battery manufactory.
2. Maintain at least 10mm clearances between the front, rear, side panels of the battery and the wall or adjacent equipment to keep well ventilated.
3. Maintain some clearances between the top of the battery and the upper baffle to facilitate monitoring and maintenance of the battery.
4. Install the batteries from the bottom to the top to prevent too high center of gravity. Place the battery well to avoid shake and impact.



EMC CREATION JOINT STOCK COMPANY

📍 Office: 5/F, Songdo Building, 62A Pham Ngoc Thach St., Vo Thi Sau Ward, 3 Dist., HCMC

☎ +84 24 6687 4507

✉ sales@aiems.com.vn

🌐 www.aiemc.com.vn