

# Powerbase

Static inverter central battery emergency lighting system

Whitecroft  
lighting



# Overview

## Information

Powerbase is a compact static inverter central battery system that accommodates the lighting loads of emergency luminaires thus ensuring their operation in the event of a mains supply fault or failure. Suitable for loads between 150 and 1500VA, Powerbase's robust and quality construction provides peace of mind for any application, small or large.

## Features

- Five capacities available: 150VA, 300VA, 600VA, 950VA and 1500VA
- Automatic load monitoring
- Compact design with access from front
- Output earth leakage detection
- Integral 4 way fused distribution
- Fully compliant with BS EN 50171: 2001
- LCD display for immediate detection/diagnosis
- Optional LAN connection for remote monitoring
- Sine wave output
- Deep discharge protection for batteries
- Microprocessor control
- 3 x volt free contacts for remote monitoring or BMS
- Battery temperature compensation
- Reverse battery polarity protection
- Modular design improving reliability and serviceability
- 10 year design-life batteries with ageing factor

## Notes

Powerbase is a component part of a complete Emergency Lighting System.

When considering a Central Battery installation reference to BS EN 50171 for design & BS EN 50172 for installation to the latest versions is recommended.

Any additional equipment such as phase failure monitors or commissioning are required to be ordered separately.

For further information or assistance, please contact the Whitecroft Technical Desk.

## Specification

- Detail
  - 0 - 40°C operating temperature
  - IP23
  - 90% non-condensing relative humidity
  - 1000m maximum altitude
  - 50 dBA at 1m noise level
- Battery
  - VRLA front terminal
  - 10 year life expectancy at 20°C
- Output Active Power
  - 150VA unit - 120W
  - 300VA unit - 240W
  - 600VA unit - 480W
  - 950VA unit - 750W
  - 1500VA unit - 1200W
- Input information
  - 1 phase
  - 230 input voltage
  - + / - 10% voltage tolerance
  - 50Hz (+ / - 5 %) input frequency
- Output information
  - 220 / 230 / 240 VAC output voltage
  - + / - 3% static voltage regulation
  - 50 Hz output frequency
  - 0.1 Hz output frequency stability
  - Sine wave
  - 0.8 lagging load power factor
  - 120% continuous overload

## Order codes

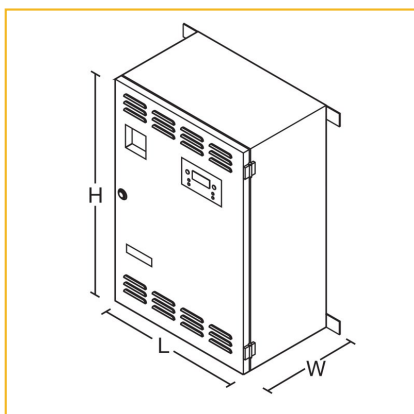
### Capacity

150VA	PWB150
300VA	PWB300
600VA	PWB600
950VA	PWB950
1500VA	PWB1500

### Options

6-way sub circuit monitor	PWB6SCM
Remote alarm panel	PWBRAP

## Dimensions



VERSION	L	W	H	KG
150VA	500	325	750	72
300VA	500	325	750	79
600VA	500	325	750	120
950VA	500	325	1190	183
1500VA	500	325	1190	234

## To Specify

Static inverter central battery emergency lighting system. Unit that provides one central base of power for emergency luminaires when the mains supply fails. Compact with five capacity options; 150VA, 300VA, 600VA (wall mounted), 950VA and 1500VA (floor mounted) – as Whitecroft Lighting POWERBASE.