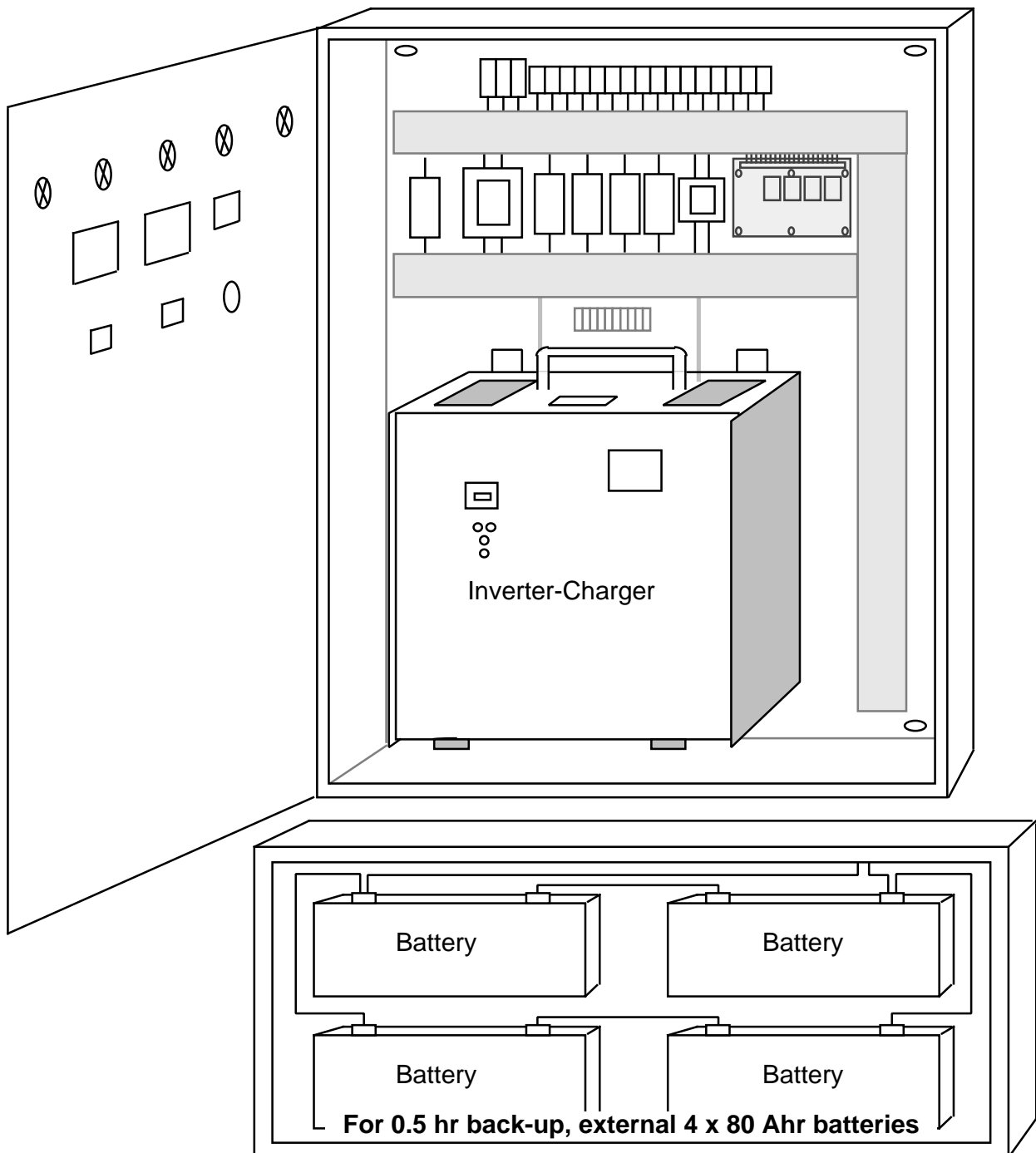




Ebbett Automation Ltd

2500VA

# Emergency Lighting Set



## Mains-Failure Power For Standard 230V Installations

- \* Completely enclosed and maintenance-free
- \* Will power any type of light fitting
- \* 5 year battery life
- \* Meets NZS 2293.1: 1998

A mains-failure power supply system for standard 230V electrical installations, using modern, sealed, maintenance-free batteries.

Conventional emergency lighting systems have involved the installation of special low voltage batteries and wiring to run directly from storage batteries.

This has traditionally increased both the complexity and cost of installations. The Ebbett Emergency Lighting Set converts battery power to conventional 230V mains power, and then distributes it to normal lighting circuits already wired into an installation.

No extra wiring is involved, so installation costs remain the same.

## Main Features

- \* **High Efficiency Inverter and Battery Charger.**
- \* **Suitable Poor Power Factor Loads**
- \* **Up to 70 13W Fluorescent Light Fittings (or Equivalent).**
- \* **Cost Effective Alternative to Conventional (DC Systems).**
- \* **Precision Charger, Constant Voltage, Current Limited, Low Ripple.**
- \* **Wall Mounting, Totally Enclosed.**
- \* **Short-circuit & Reverse Polarity Protected.**
- \* **Low Battery Voltage Trip.**
- \* **Auto Reset on Power Restoration.**

## Technical Specification

Output Power:	2500VA (1900VA).
Mains Failure Back-Up:	0.5 hr (1 hr).
Recovery:	10 hrs.
Output Voltage:	230V.
Output Frequency:	50 Hz.
Waveform:	Quasi or pure sinewave.
Load Power Factor:	0.5 to unity.
Input Voltage:	230V.
Input Current:	12A.
Input Frequency:	50 Hz.
Mains Failure Detection:	Contactors.
Indication:	LED's for- Power on/Charge rate. - Inverter on. - Overload. - Low battery trip. Indicator/alarms for - Battery isolated. - Charge failed. - Battery low. - Battery earth leakage fault. Battery voltmeter. Charge ammeter. Load ammeter. Load voltmeter.
External Battery:	24V system. 4 x 12V 80 Ahr batteries, sealed, lead acid, recomposition.
Operating Temperature:	0 - 40 deg C.
Operation Humidity:	0 - 90%.
Protection:	Inverter /charger MCB for battery isolation. Main isolator. HRC fuses for control & load circuits.
Enclosure:	Gael cabinet 24/33 DH. ( Battery cabinet 33/24 DH).
Dimensions:	24 W X 33 H X 8 D inches. (Battery cabinet 33x24x8)
Electrical Safety:	Manufactured to NZS 6200, NZS 2293.1:1998.
Electrical Interference:	RFI emission less than 60 microvolts.
Power Connection:	Klippon terminals, SAK6 for input, SAK2.5 (1.5 mm cable), for 4x load ccts.
Options:	Links for "maintained supply" (mains/inverter change-over) or "standby" (output on mains failure only). Extra terminals (N/O contacts) for remote alarms. Pure sinewave for multiple fittings with large power factor correction capacitors. Other special sizes & ratings.

## Typical Applications

Emergency lighting systems;  
incandescent, fluorescent, vapour & other lights.  
Commercial buildings, hotels, theatres, community halls.  
Control systems, point of sale equipment, cash registers etc.

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