



PRO **AMP**
systems

12/24 VDC BATTERY CHARGER FS1224

SPECIFICATIONS

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CK: - 1998/012610/23
Revision : 1
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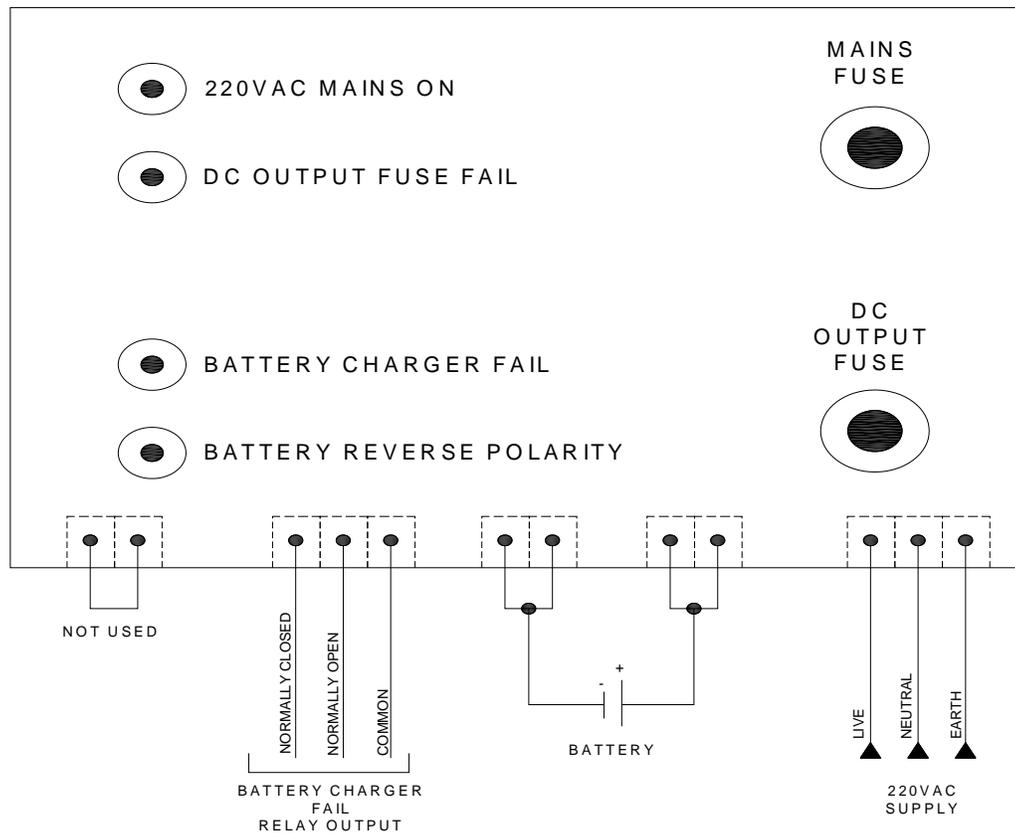
The FS1224 Battery charger is a versatile charger capable of an output of either 13.8VDC or 27.6VDC, by simply removing or installing a jumper connection across two pins on the PC board.

Features

- Multi voltage output.
- LED Fault conditions indication.
- Robust & Compact design.
- Input & Output protection.
- PWFm Switch mode charger.

FS1224 Battery Charger Specifications	
AC Supply	220VAC → 250VAC +/- 5%
AC Supply Protection	3,15A / 5x20 Slow Blow Fuse
AC Supply Frequency	50 → 60Hz
Charger Output Type	Constant Voltage
Operating Temperature	55°C
Operating Humidity	90% RH , Non Condensing
AC Inrush Current	60A max at 20 Micro Seconds
DC output Protection	6,3A / 5x20 Slow Blow Fuse
Output DC Voltage	13,8VDC / 27.6VDC
Output DC Current	5.2A Limited
AC Operating Frequency	95 – 115kHz
Charger Output Voltage Ripple	200mV max
Terminals	2.5mm plug – in – Screw Clamp
Enclosure	2mm Aluminium
Charger Fail Output Relay Rating	(SPDT) 5A at 250VAC resistive load (SPDT) 5A at 30VDC resistive load

12/24VDC BATTERY CHARGER WIRING DIAGRAM



TECHNICAL NOTES

- 1) The battery charger fail output relay status shown above is represented with no 220VAC supply. When the 220VAC mains is applied the relay will change status should the battery charge be in a healthy state.
- 2) Should the battery be connected in reverse polarity, the LED will illuminate and the battery charger DC output will switch off. This will also apply should the DC output be short circuited.
- 3) LED Colours:
 - 220VAC Mains on = Green/Steady
 - DC output Fuse Fail = Yellow/Flashing
 - Battery Charger Fail = Yellow/Flashing
 - Battery Reverse Polarity = Red/Flashing

MECHANICAL DIMENSIONS FOR MOUNTING

