

BOXED 24V DC STANDBY POWER SUPPLIES



FEATURES

- * *Fault auxiliary contact*
- * *Battery Fuse*
- * *2 sets of Power Output Terminals*
- * *Wide range of enclosures to suit most battery sizes*
- * *Power supply healthy Output*
- * *Meets EMC directive*
- * *Meets LVD directive*
- * *Meets requirements of BS5839 & BS EN 54*
- * *Indications for Healthy & Fault*

GENERAL DESCRIPTION

A range of boxed 24v DC power supplies suitable for charging Sealed Lead Acid Batteries . The power supplies are designed to meet BS 5839 & BS EN54. They also meet the requirements of both the EMC and Low Voltage directives .

Each power unit is housed in a sheet metal enclosure with hinged door , finished White and suitable for Wall mounting . Facia LED indications are provided for Healthy (green) and Fault (yellow) . Battery leads including interlink are provided with each unit .

Two sets of power output terminals are provided together with Battery input , Fault auxiliary output and power supply healthy Output . These terminals are of the plug-able type .

Fault monitoring is provided for main's failure , charger failure and Battery disconnection . Internal LED's are provided for mains/charger and battery fault indication . Low voltage battery monitoring will disconnect the battery to protect it from over discharge . A battery reverse connection protection circuit is also provided . The Fault auxiliary contact (CHO) is fail safe .

Various enclosure sizes are available so that the power supply rating and battery size can be matched to suit the particular requirement .

AVAILABLE OPTIONS

- * *12v DC units*
- * *Various Input voltages*
- * *Special colours & finishes*
- * *Flush bezel*
- * *Company name and logo (minimum quantity requirement)*
- * *Enclosures to house power supply only (no battery space)*

TECHNICAL SPECIFICATION

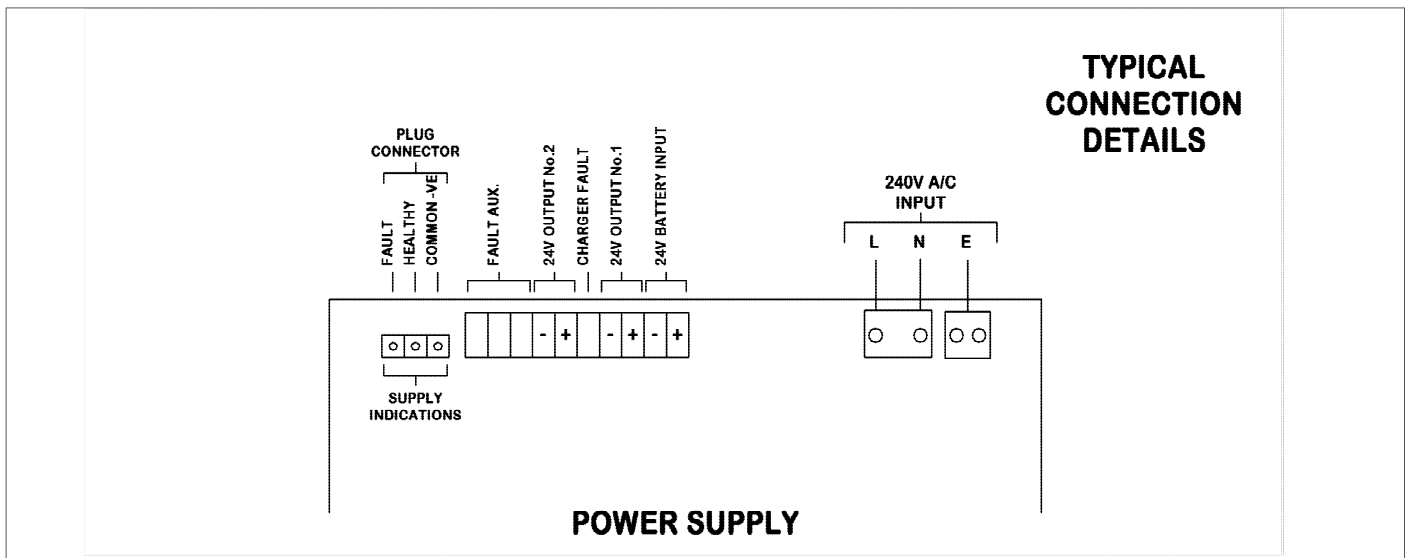
Mains Input	——	240v AC 50/60 Hz (other voltages to order)
Nominal Battery input voltage	——	24v DC (other voltages to order)
Power Supply type	——	Constant voltage with current limit & thermal shutdown . Low battery disconnection circuit . Battery reverse protection circuit
Battery Charge Voltage	——	27.5v DC
Output Voltage	——	28.5v DC
Power Supply output ratings	——	1.25 Amp , 3 Amp , 5 Amp & 10 Amp (other ratings to order)
Maximum continuous standing load	——	50% of rated output
Power supply Output	——	2 sets of load output terminals
Fault output	——	1 set CHO contacts (fail safe) rated at 1 amp 50 v DC
Power supply healthy output	——	+ve 24v DC rated at 100 ma (fail safe)
Output ripple	——	500 mv at rated output
External Indications	——	Healthy - green (extinguishes on any fault) Fault - yellow (illuminates on any fault)
Internal Fault LED's	——	One led for Mains/ charger fail (yellow) One led for Battery disconnect (yellow)
Enclosure construction	——	16 / 18 gauge sheet steel , Epoxy powder coated semi-gloss Grey - White with hinged door and Blue screen printed lettering
Cable entry	——	Top entry with 20 mm Diameter knockouts
Standby battery space	——	See table below

POWER RATING/BATTERY SPACE & ENCLOSURE DETAILS

ORDER CODE	RATING	BATTERY SPACE	ENCLOSURE SIZE & REFERENCE	WEIGHT
1.25/24/500PU	1.25 Amp	Up to 6 Amp/hr	320 mm (W) x 235 mm (H) x 75 mm (D) - 500	3.5 Kg
3/24/1000PU	3 Amp	Up to 12 Amp/hr	405 mm (W) x 300 mm (H) x 125 mm (D) - 1000	6.0 Kg
5/24/1000PU	5 Amp	Up to 12 Amp/hr	405 mm (W) x 300 mm (H) x 125 mm (D) - 1000	7.5 Kg
5/24/1001PU	5 Amp	Up to 24 Amp/hr	500 mm (W) x 400 mm (H) x 150 mm (D) - 1001	9.5 Kg
5/24/1001APU	5 Amp	Up to 38 Amp/hr	500 mm (W) x 400 mm (H) x 220 mm (D) - 1001A	11.0 Kg
10/24/1001PU	10 Amp	Up to 24 Amp/hr	500 mm (W) x 400 mm (H) x 150 mm (D) - 1001	16.0 Kg
10/24/1001APU	10 Amp	Up to 38 Amp/hr	500 mm (W) x 400 mm (H) x 220 mm (D) - 1001A	18.0 Kg

ORDER CODE DETAILS

Power rating / Voltage rating /Enclosure ref PU . - (ie 3/24/1000PU – 3 amp , 24v power supply , space for 12 amp/hr)



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