

UNBOXED 24V DC STANDBY POWER SUPPLIES



FEATURES

- * *Fault auxiliary contact*
- * *Battery Fuse*
- * *2 sets of Power Output Terminals*
- * *Pluggable output terminals*
- * *Power supply healthy Output*
- * *Meets EMC directive*
- * *Meets LVD directive*
- * *Meets requirements of BS EN 54 And BS 5839*
- * *Connections for LED power supply status indication*

GENERAL DESCRIPTION

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

Each power supply is chassis mounted (except for 1.25 amp version) and are easily secured via four fixing holes .

Two sets of power output terminals are provided together with Battery input , Fault auxiliary output and power supply healthy Output . The low voltage terminals are of the pluggable type (except 10 amp version) .

Fault monitoring is provided for mains 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 .

Connecting pins are also provided for remote LED indication for Healthy and Fault

AVAILABLE OPTIONS

- * *12v DC units*
- * *Healthy / Fault Facia card*
- * *Various Input voltages*
- * *Other chassis sizes*

TECHNICAL SPECIFICATION

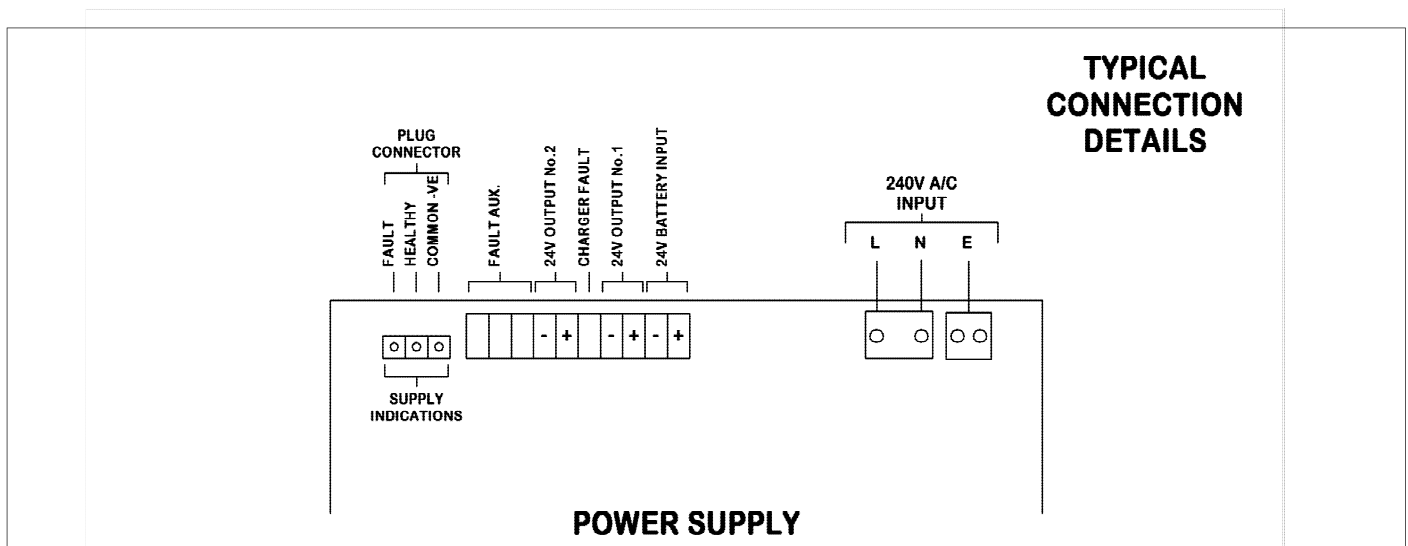
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|----------------------------------|----|---|
| Mains Input | —— | 240v AC 50/60 Hz (other voltages to order) |
| Nominal Battery input voltage | —— | 24v DC (other voltages to order) |
| Power Supply type | —— | Constant voltage with current limit & thermal shutdown . Low battery disconnection circuit . Battery reversal 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 |
| Remote Indicator outputs | —— | Switched +VE 24v for Healthy and Fault (rated at 100 mA) Common -VE |
| Internal Fault LED's | —— | One led for Mains/ charger fail (yellow) One led for Battery disconnect (yellow) |
| Terminal Cable size | —— | Up to 2.5 mm ² (4 mm ² for 10 amp) |

POWER RATING / CHASSIS SIZE ENCLOSURE DETAILS

| ORDER CODE | RATING | CHASSIS SIZE | WEIGHT |
|------------|----------|---|--------|
| 1.25/24/PU | 1.25 Amp | 190 mm (w) x 75 mm (h) x 65 mm (d) | 1.0 Kg |
| 3/24/PU | 3 Amp | 260 mm (w) x 80 mm (h) x 65 mm (d) | 1.5 Kg |
| 5/24/PU | 5 Amp | 265 mm (w) x 125 mm (h) x 65 mm (d) | 2.5 Kg |
| 10/24/PU | 10 Amp | 450 mm (w) x 145 mm (h) x 85 mm (d) | 6.0 Kg |

ORDER CODE DETAILS

Power rating / Voltage rating / PU (ie 3/24/PU – 3 amp 24v power supply)



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