

Statronics Power Supplies

Rifala Pty Ltd, ACN 002612473



ISO 9001

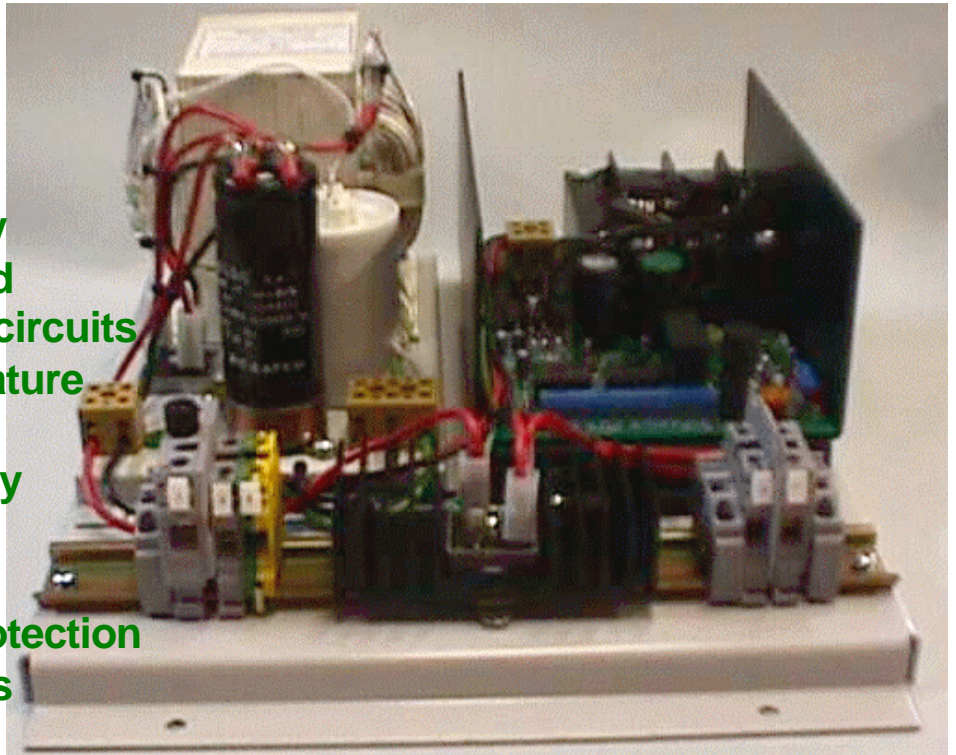
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FEU- SERIES BATTERY BACKED FERRORESONANT/LINEAR POWER SUPPLIES

Features

- Supreme Reliability
- 20-year design life
- Expandable Capacity
- extensive battery and system supervisory circuits
- float voltage temperature compensation
- simple, high reliability design
- overload protection
- over temperature protection
- flexible alarm circuits



FEU24

Has TWO outputs, one of 24V 7A that depends on AC being present, and one independent BATTERY-BACKED output of 27.1V 2A average, 3A surge.

The **non backed-up output** is designed for loads such as contactors or solenoids and process control equipment, the output of which is powered by AC and will thus serve no purpose when the AC fails.

The **battery-backed output** is intended for telemetry or monitoring sensors, so that critical data or shut-down controls can continue even during an AC failure.

FEU28

Is a 24V nominal DC un-interruptable power supply with 7A capacity, plus 2A independent charge current. Both outputs are added by 30A rated diodes, giving an average capacity of 9A at 27V.

Changeover to and from battery power is glitch-free and automatic.

Intermittent loads to 30A can be supported, using some of the battery capacity.

DESCRIPTION

FEU24 uses model FER39 for the non backed-up output and 53/U24 for the 2A battery backed output. FEU28 uses model FER44 and 53/U24, the outputs of which are combined through 30A auctioneering diodes.

All are mounted on a sturdy powder-coated gear plate with a set of DIN-rail terminals for the external connections (except the alarm outputs, which come directly from the 53/U24 terminals).

POWER SUPPLY SPECIFICATIONS: See Model FER39 for FEU24 and FER44 for FEU28
CHARGER SPECIFICATIONS: See Model 53/U24

MECHANICAL DETAILS

Dimensions(l x w x h): 360 x 280 x 150mm (14.2 x 11 x 5.9 inches)
Mounting Positions: Horizontal or vertical (if mounted vertically, the capacitor vents on the FER39/FER44 should be uppermost).
Mounting Points: 4 x 6.5mm (¼”) holes at 340 x 180mm (13.38” x 7.09”)centers.

Terminals:

AC Input:	Screw terminals mounted on DIN rail
Battery Backed o/p	FEU28: Screw terminals mounted on DIN rail FEU24: Screw terminals mounted on 53/U24
Non-battery backed o/p	Screw terminals mounted on FER39
Alarms	Screw terminals mounted on 53/U24

Fusing:

Mains:	5A Quick Blow HRC ceramic to BS1362 on DIN rail
Battery:	FEU28: 10 to 30A HRC ceramic to BS1362 on DIN rail FEU24: 5A, 5mm x 20mm HRC ceramic fuse on 53U24 PCB

WARRANTY: Our warranty on all production units is against faulty parts, design, or workmanship for a period of 5 years from date of delivery, provided that the units are used as outlined in the specification, and excluding consequential loss. Freight to Statronics is payable by the client, while return freight is at Statronics' expense if a fault is detected and is covered by warranty.