



DUAL, 20A, 24Vdc RACK MOUNT SYSTEM PSU WITH UPS BATTERY CHARGER

4U Rack mount enclosure

Alarm output

Mains and load isolator switches

Voltage and current indicators

Internal overload protection

4U rackmount enclosure, styled to match Folknoll modules

Ideal for Folknoll videcom, cell call, custody suites, locking control, etc.

NOTE: CURRENT VERSION OF THIS DEVICE HAS A BLACK ANODISE FRONT PANEL

240-20-24: RACK MOUNT PSU AND CHARGER

The 240-20-24 is a dual channel rack mount PSU offering 20A of continuous 24Vdc power and battery charging. Designed to power Folknoll systems, charge backup batteries and seamlessly switch to battery power in the event of a mains supply failure.

EXTERNAL CONNECTION

Mains connection is through a standard IEC lead (230Vac, 4 amp required). The load and battery connections are made to large screw terminals located on the rear panel of the enclosure. The alarm output is connected through a 4.7mm jack also located on the rear panel of the enclosure.

CONTROLS AND INDICATORS

Mains, battery and load isolation switches are located on the front panel to aid maintenance. Charger and load indicators are also located on the front panel to aid system diagnostics and battery state.

PROTECTION

This unit is based on a MURR EMPARRO 85422 PSU, which benefits from overload and short circuit protection. If a fault is detected the unit automatically shuts down and an alarm condition is signalled.

CONSTRUCTION

This unit is supplied in a 4U, aluminium, rack mount enclosure. The front panel is anodised in black with white legends and styled to match Folknoll's extensive range of rack mount modules. All connections are located on the rear panel. All controls and indicators are located on the front panel.

SPECIFICATIONS

Input voltage:	90-265Vac / 90-250Vdc
Input current:	5.2A(100Vac), 2.2A(240Vac)
Inrush current after 1ms:	Max. 23A (230Vac)
Power factor:	0.96 (230Vac)
Standards:	EN 60950-1, EN 61204-3, EN 55011 B, EN 61000-3-2, SEMI F47
Relative humidity:	5-95%, no condensation
Efficiency:	93.8% (230Vac)
Operating temperature:	-25 degrees C - +60 degrees C
Output voltage:	24Vdc (SELV), +/- 1%, 24-28Vdc adjustable
Output current:	20A
Mains failure bridging time:	Min. 30ms (240Vac), 20A (24Vdc)
Ripple:	Max. 50mVrms
Spikes:	Max, 200mV p-p
Protection:	Short-circuit and overload
Construction:	Aluminium enclosure with black anodised front panel - to match Folknoll modules
Dimensions (including front panel):	Width:485mm (19" rack mount), height: 175mm (4U), depth: 345mm (approx.)

ABOUT FOLKNOLL

We are a UK based systems design, manufacturing and installation company. Since 1975 we have been supplying tough, reliable, practical, alarm and control systems for the private and public sectors. All of our products and systems have been designed for easy installation and low maintenance by experienced engineers. As original manufacturers, all of our products and systems can be customised to suit your requirements. We also offer individual annotation, custom engraving and special finishes for all of our equipment.

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