



Product Features

- 4U high.
- Designed for street cabinet applications.
- Non latching thermal protection.
- 10A Telephony output, 15A CATV output.
- Separate 4A battery charging current.
- Separate 2A fan supply.
- Automatic battery condition testing.
- Comprehensive management alarms.
- Remote management via TCP/IP

Specification	
Input Voltage	230VAC, +15% - 10% Single Phase
Input Frequency	47 to 64Hz
Input Filtering	EMC meets requirement of EN55022 & EN55024
Inrush Current	<20A peak for <10ms
Telco & Fan Output Voltage	54.2VDC +/- 1.4V @ 25°C
Charger Output Voltage	54.6V +/- 0.3V @ 25°C, 0.5A load, with Telco load @ 10A
Battery Temperature Compensation	52.3V +/- 0.6V @ 50°C to 58.0V +/- 0.8V @ 10°C
Telco Output Current	0-10A DC
Fan Output Current	0-2A DC (4A surge for 30s)
Telco Output Regulation	Load +/- 4%, Line +/- 1%
Telco Output Noise & Ripple	200mV peak to peak, 0 to 20 MHz
CATV Output Voltage	60VAC rms (Quasi Squarewave) +5V -3V
CATV Output Current	0-15A
CATV Output Regulation	Load +/- 6%, Line +/- 2%
Battery Charging Current	4A DC +/- 0.5A
Efficiency	>84% at full load
Operating Temperature	-20°C to +65°C (ambient air)
Storage Temperature	-20°C to +100°C

Protective Features

Insulation - Input to Chassis	1500Vrms	Insulation - Telco Output to Chassis	50Vdc
Insulation - Input to Output	3000Vrms	Insulation - Telco Output to CATV Output	100Vdc
Safety Standards	EN60950-2006		
Telco Current Limit	Foldback, then trip and restart, 19A +/- 2A (including fan and battery charging current)		
CATV Current Limit	Foldback, then trip and restart, 21A +/- 2A		
Telco Overvoltage Protection	64V +/- 2V		
CATV Overvoltage Protection	70V +/- 3V		
Telco Low Battery Disconnect	42V +/- 0.7V		
CATV Low Battery Disconnect	45V nominal, adjustable from 43V to 51V via digital communications (ethernet port)		
Auto Battery Test Feature	The power supply will automatically load check the battery condition approximately every 18 hours (or less if required) for approximately 60s		
Overtemperature Shutdown	90°C on Mains, 100°C on Backup		
Fuses	15A for Telco, 5A for Fan		

Data Link Details

The data link is a standard RJ45 connection that will connect to any 10/100 TCP/IP based network as a DHCP client or with a static IP address

Analogue Signals	Alarm Signals (Ethernet)	Alarm Signals (Relay)	Static Data
<ul style="list-style-type: none"> ■ Telco Output Voltage & Current ■ CATV Output Voltage & Current ■ PSU Temperature ■ Individual Battery Voltage (x4) ■ Battery String Voltage ■ Battery Charge Current ■ Battery Temperature 	<ul style="list-style-type: none"> ■ Mains Good ■ Telco Output Good ■ CATV Output Good ■ Temperature Good ■ Battery Present ■ Battery Good ■ Battery Test Running 	<ul style="list-style-type: none"> ■ Mains Good ■ Telco Output Good ■ CATV Output Good 	<ul style="list-style-type: none"> ■ Power On Time (POT) ■ Max Temp ■ Min Temp ■ Unit Serial Number ■ Battery Impedances (x4)

Connectors

Mains Input	IEC 320 16A connector with circuit breaker
Telco Output	Two 2 way Power Pole PP45 connectors (for wire sizes upto 12AWG)
Fan Output	2 way Power Pole PP45 connector (for wire sizes upto 12AWG)
CATV Output	Rising clamp connector rated at 15A (4 way - 2 x Live, 2 x Earth) (for wire sizes upto 12AWG)
Battery Input	2 way power pole PP75 connector (for wire sizes upto 8AWG)
Alarms	Ethernet communications interface with 8 way RJ45 connector, also 9 way D-Type (Relay Contacts)
Size	19" rack x 4U high x 280mm deep behind panel, 40mm max. in front of mounting rail
Weight	< 15kg