

Celab

Telephony / CATV Uninterruptible Power Supply



- 4U high, including telephony distribution module.
- Designed for street cabinet applications.
- Non latching thermal protection.
- 10A Telephony output, 15A CATV output.
- Separate 4A battery charging current.
- Automatic and remote controlled battery condition testing.
- Comprehensive management alarms.

Specification	
Input Voltage	230VAC, +15% - 10% Single Phase
Input Frequency	47 to 64Hz
Input Filtering	EMC meets requirement of EN50081-1 & EN55022
Inrush Current	Typically 30A peak for <10ms
Telco Output Voltage	56VDC +/- 0.5V
Telco Output Current	10A DC
Telco Output Regulation	Load +/- 1%, Line +/- 0.2%
Telco Output Noise & Ripple	100mV peak to peak, 0 to 20 MHz
CATV Output Voltage	60VAC rms (Quasi Squarewave)
CATV Output Current	0-15A
CATV Output Regulation	Load +/- 2%, Line +/- 0.2%
Battery Charging Current	4A DC
Efficiency	>85% at full load
Operating Temperature	-20°C to +65°C
Storage Temperature	-20°C to +100°C
Temperature Coefficient	0.02% per °C

Protective Features			
Insulation - Input to Chassis	1500Vrms	Insulation - Output to Chassis	100Vrms
Insulation - Input to Output	3750Vrms	Insulation - Output to Output	100Vrms
Safety Standards	Meets BSEN60950		
Telco Current Limit	Trip and restart, 20A +/- 1A		
CATV Current Limit	Onset and foldback, 25A +/- 1A		
Telco Overvoltage Protection	64V +/- 1V		
CATV Overvoltage Protection	70V +/- 1V		
Telco Low Battery Disconnect	42V +/- 0.5V		
CATV Low Battery Disconnect	46V +/- 0.5V or higher by manual intervention		
Auto Battery Test Feature	The power supply will automatically load check the battery condition approximately every 20 days (or longer if required) for approximately 20 minutes to establish the connection of the battery. Provision is made in the alarm connector for this test to be overridden and initiated remotely.		

Alarms					
The following alarms are isolated and are available as N/O or N/C relay contacts. In normal running conditions, the alarm relays are energised. Those marked * have an additional Green LED indicator, lit when 'good'.					
Input Mains*	Telco Output*	Power Supply*	CATV Output*	Battery*	Over-Temperature
Displays					
Array's for Current Outputs	2 x 8 LED (6 Green, 1 Amber, 1 Red)		Alarm Indicators	5 LED (Green)	

Connectors	
Mains Input	IEC 320 connector with 10A fusing
Telco Output	See Telco Distribution Module
CATV Output	2 connectors each rated at 15A
Battery Input	See Telco Distribution Module
Alarms	37 way D type
Size	19" rack x 4U high x 280mm deep behind panel, 40mm max. in front of mounting rail.
Weight	15kg

Telco Distribution Module (TDM)
This is a separate module which forms part of the power supply front panel. It contains fused telco outlets plus the battery input connector (30A). Should it be necessary to change the power supply this module can be detached and still maintain battery support for telco operation. Alternative distribution configurations can be provided in the TDM according to particular user needs.