



CATV POWER SUPPLY TV-LINE 60/250-3

APPLICATION

Uninterrupted power supply of CATV network devices with 60 VAC voltage nominal value protecting connected to it devices from network voltage loss. It can also power other devices of nominal voltage of 60 VAC (excluding medical devices).

FEATURES

- » pure sine wave
- » front cable connections
- » output circuits and battery protection
- » resistance to output short-circuits
- » any method of installation possible
- » forced ventilation system
- » monitoring of the system parameters
- » alarm signalling
- » log-in history

COMMUNICATION

TV-LINE 60/250-3 is equipped with a module that allows remote monitoring of operation parameters and visualisation of measured data using CSM - Central Monitoring System and built-in web server.

CONSTRUCTION

The TV-LINE 60/250-3 power supply is a modern series of digital systems with increased safety factor. It is equipped with the Clear Digital Sinus (CDS) system that generates output voltage with a clear sine waveform during battery operation. The series was designed for CATV network users that face specific power supply conditions from mains.

DESCRIPTION

- » high efficiency design based on **VI** technology
- » CDS system generates pure sine wave output voltage when operating in the battery mode
- » built-in bypass switch and voltage filtering system
- » external 230 VAC guaranteed voltage plug socket
- » built-in automatic battery test function
- » indicates errors in case of incorrect battery operation parameters
- » battery presence detection
- » automatic charge control (the charge current can be regulated)
- » built-in charge voltage temperature compensaton system
- » battery power balancing system prolongs battery life
- » can be launched in the battery mode (without being connected to the electrical mains)
- » equipped with both microprocessor control system and operating parameters signalling system
- » built-in digital alarm inputs
- » remote monitoring by built-in web server or external monitoring system (CSM)

230 VAC power supply	230 VAC (195-253 V)
Input voltage frequency	50 Hz +/-5%
Output power	250 W (230 VAC - 20 W; 60 VAC - 230 W)
Nominal output voltage a) plug-in socket b) main output	230 VAC (195-253) 20 W 60 VAC (52..65 V) on line 60 VAC (56..63 V) on battery
Output sine wave	pure sine wave
Transfer time	< 4 ms
Nominal output current	4 A
Total harmonic distortion	max 5% THD
Battery performance up to	line power - 93% on battery - 85%
Battery nominal voltage	12 VDC
Battery charge current	max 9 A
International Protection Rating	IP20
Relative humidity	<90% without condensation
Cabinet type	metal cabinet
Dimensions (L x H x D)	250 x 140 x 180 mm
Weight	8 kg
Battery type	12 V (18-80 Ah)
Cooling	forced
Safety norm	EN 62040-1
EMC standard	EN62040-2

The device is designed and made in Poland by a Polish company and its construction meets CE conformity marking and RoHS directive requirements.