



## CATV POWER SUPPLY TV-LINE 48-60/1000HE



### 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). The power supply works with maintenance-free external accumulator of 36 V (18 – 200 Ah) nominal voltage.

### 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 48-60/1000HE 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.

### DESCRIPTION

- » TV-LINE 48-60/1000 HE power supply is designed as a free standing cassette ready to install in both indoor and outdoor telecommunication cabinets.
- » 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
- » 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 and asymmetry measurement function
- » 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 input
- » remote monitoring by built-in web server or external monitoring system (CSM)
- » built-in LCD panel

230 VAC power supply	230 VAC (195-253 V)
Input voltage frequency	50 Hz +/-3%
Max power consumption (mains operation)	7 A
Nominal output voltage	63 VAC or 48 VAC
Output power	1000 VA / 1000 W for 63 VAC 770 VA / 770 W for 48 VAC
Output current	16 A - 63 VAC 21 A - 48 VAC
Line power voltage tolerance	± 5% (59 - 65 VAC)
Battery operation voltage tolerance	± 3% (61 - 65 VAC)
Transfer time	≤5 ms
Battery performance	line power 96% on battery 87%
Accumulator battery	36 VDC (3 batteries 12 VDC)
Battery circuit separation	yes
Battery charge	cyclic recharging with temperature compensation
Battery charging current value	10 A max (programmable)
Battery balancer (during battery charge)	300 mA max
Battery replacement	uninterruptedly
Admissible ambient temperature	-20°C ~ 60°C
Storage temperature	-30°C ~ 70°C
Dimensions (L x H x D)	340 x 180 x 250 mm
Weight	19 kg
International Protection Rating	IP20
EMC standards	EN62040-2
Safety standards	EN 62040-1

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