



INF TVLINE 60/250 CATV UPS

APPLICATION

The **INF TV LINE 60/250** power supply is designed to supply uninterruptible **60VAC** power to **CATV** network equipment and protect any equipment that is connected to it against mains failures. It can also supply other equipment for nominal voltage of **60V AC (with the exception of medical equipment)**.

SYSTEM CONSTRUCTION:

The **INF TV LINE 60/250** uninterruptible 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. The UPS was designed in Poland and its construction is compliant with the **CE** mark requirements.

- ✓ Sinusoidal output voltage, generated in battery operation mode - (CDS) system
- ✓ Mains voltage filtering
- ✓ Resistance to instantaneous short-circuits in 60 VAC output circuit
- ✓ Periodic battery test function every approx. 1 month or remote test via monitoring. When incorrect battery parameters are found, the battery test fault is signalled by the flashing „Battery Charging” LED.
- ✓ Intelligent battery charging circuit that extends its life
- ✓ Microprocessor monitoring of parameters
- ✓ Monitoring and signalling of operation states (LED)
- ✓ Remote monitoring by using local Web server or CSM system - Ethernet
- ✓ Operation with 12V from 18 to 80 Ah battery
- ✓ Battery charge time from flat 55Ah is approx. 8 h.



WEB NETWORK SOLUTIONS

Possible remote monitoring of the system by using the CSM (Central Monitoring System) software – visualization by means of any browser on web pages.



CHARACTERISTICS

- ✓ All connectors available from the system front
- ✓ Protection of output circuits and battery
- ✓ Resistance to output short-circuits
- ✓ Any system installation method
- ✓ Forced ventilation of the system
- ✓ Monitoring of the system parameters
- ✓ Alarm signalling
- ✓ Event history log

TECHNICAL PARAMETERS

Mains supply (permissible changes)	230 VAC (-15 + 10%)
Input voltage frequency	50Hz +/-5%
Output power	250 W
Nominal output voltage:	
a) Double plug socket	230 VAC(195-253)20W
b) Bus terminal	60 VAC(52..65V) mains operation 60 VAC(56..63V) battery operation
Output voltage waveform	True sine wave
Switching time to battery operation	< 4 ms
Nominal output current at 60VAC	4 A
Distortion	Max 5% THD
Efficiency	85% at P>80%
Nominal battery voltage	12 V
Protection degree	IP 20
Operating temperature (ambient)	-10 to +50 °C
Relative humidity	<90% without condensation
Housing type	Metal subrack
Housing dimensions (H x W x D) [mm]	14 x 250 x 180 without connectors
Maximum weight	approx. 19 kg
Battery type	VRLA max 1 x 80Ah/12V
Cooling	Forced
Maximum weight	7.5 kg

PRODUCER

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