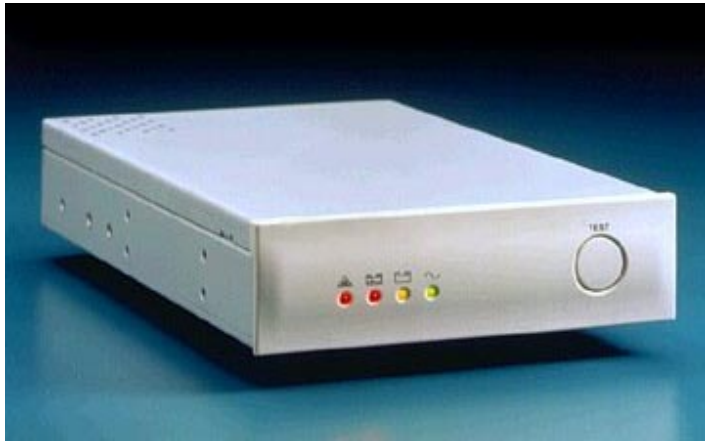


# UPS

*IUPS series  
5 1/4" Disk Size*



***The  
modern  
and  
intelligent  
manner,  
to  
protect  
data.***



An UPS in size of a 5 1/4" disk drive (Disk Size) provides a smart way out for standalone PC's or small Servers to protect the PC for data loss in case of disturbances of the main power, without to need additional place.

Features of the four models are: very compact dimensions equal a CD-ROM drive, a power range from 300 and 500VA and a backup time from 4 respectively 5 minutes for a PC with connected 15" Monitor.

With installation in a PC, the 300VA models does need only one 5,25" Floppy disk drive bay, while the more powerful 500VA models needs a second FDD box (or any other free place) for the additional battery pack.

LED's on the front panel indicates the state of the unit for line or battery mode, for battery charging respectively for low battery as well as for overtemperature condition. A test switch allows checking of proper unit operation by switch over to battery mode for short time. An DB9 interface with potential free contacts (contact closure interface) allows a communication with the PC and an automatic shutdown, when the mains fails.

The mechanical installation is very simple. The voltage will be supplied from mains power about the UPS to the switching power supply of the PC. All required adapters and cables are included in the UPS package. After connection with the mains, the UPS unit starts battery charging, also then, if the PC is turned off. The computer and the embedded UPS unit will be turned on about the usual PC main switch.

The „green power“ function serves the prolongation of the battery life and executes a turn off of the UPS, if there is connected no load or a to small load. Through this function an own main switch isn't required.

Does occur any main power failure, the UPS provides a simulated sine wave voltage to the PC. Also a monitor can be supplied about the SPS of the PC. The short transfer time to battery mode will compensated by the SPS of the PC without repercussion on the PC function.

In line mode, the temperature on the UPS case does reach not more than 25°C. So there is no temperature effect, when the unit will be installed.

#### **Main features:**

- extremely compact
- 4 models
- high frequency design
- "green Power"-function
- LED display for UPS and mains state
- Overload and short circuit protection
- EMI / RFI filter
- test function
- dB9 interface
- CE, RoHS (230V units only)
- EN 60950

## Specification

Alle Data are measured at 25°C. Technical Modification reserved.  
Print failures or mistakes aren't excluded.

MODEL	IUPS-	301	300K	501	500K
<b>Input</b>	Voltage Frequency	220, 230, 240 V AC or 100, 110, 120 VAC, ± 20% *) 50 or 60 Hz, ± 5% *)			
<b>Output (Inverter)</b>	Power (VA) Power (W) at cos phi=0,6 Voltage Frequency Waveform Transfer time	300 180 220, 230, 240 V AC oder 100, 110, 120 VAC, ± 5% 50 oder 60 Hz, ± 1% PWM, modified sinewave < 4ms		500 300 220, 230, 240 V AC oder 100, 110, 120 VAC, ± 5% 50 oder 60 Hz, ± 1% PWM, modified sinewave < 4ms	
<b>BATTERY</b>	Time (full load) Time (half load) Recharge Time Type Capacity	5 min. 12 min. 2x 6V/3Ah	4 min. 10 min. 1x 12V/2,2Ah	5 min. 14 min. 2x 6V/3Ah + 2x 12V/2,2Ah	4 min. 12 min. 1x 12V/2,2Ah + 2x 12V/2,2Ah
<b>DISPLAY</b> <b>SWITCH</b>	Normal mode battery mode UPS test	Line available (green), Overtemperature (red) on battery (yellow), battery low (red) Yes			
<b>PROTECTION</b>	EMI / RFI Spikes Deep discharge Overload Short circuit Underload	Yes Yes, (for 110V AC: 40 Joules/2ms, 4500A; for 220V AC: 80 Joules/2ms, 4500A) Yes, electrical (UPS shutdown) Yes, electrical (for Output, Fuse for Input) Yes, electrical (UPS shutdown) Yes, autom. shutdown at loads <20W			
<b>WARNING</b>	Battery mode Battery low Overload	optical a. acoustic optical a. acoustic optical a. acoustic			
<b>MECHANIC</b>	Weight (Netto, Kg) Dimension (BxHxT) UPS Accu box	2,75 146 x 41,5 x 248 -	2,0 146 x 41,5 x 207 -	2,75 + 2,55 146 x 41,5 x 248 146x 39 x 203	2,0 + 2,55 146 x 41,5 x 207 146x 39 x 203
<b>ENVIRON- MENT</b>	Operate Noic	0 - 40°C, 95% max. humidity (non-condensing) < 40 dBA			

\*) Depend from model. To specify at order, please note it at installation!

## GENERAL FEATURES

- state of art off-line high frequency technology,
- „green power“ technology - for prolongation of the battery life time, i.e. unit turns off automatically at loads <20W, or when connected equipment doesn't operate
- compact dimensions, easy installation and operation
- needs 1 or 2 drive boxes 5.25" (such as Floppy-Disk, CD-ROM)
- manual self test function by test switch
- automat. restart, when main power recovers
- after connection to main power, charging of the batteries does starts, the unit doesn't need to be turned on
- maintenance free batteries are integrated in UPS case (models IUPS-301/300K), and in an additional battery box (models IUPS-501/500K)
- Inverter a. battery charger integrated
- Software control about interface possible (Shutdown software option)
- optical a. acoustic alarm signals in case of main power a. UPS problems, various protection functions
- Overvoltage a. line filters
- potent.-free contacts (DB9) for PC UPS communication, it indicates the conditions Line o.k. / Power fail / Battery low; Input for UPS shutdown signal
- LED's for line mode, battery mode, battery low, overtemperature
- shutdown software is available (option) for standalone PC in Windows-/Novell-/Unix systems about quasi special interface cables
- CE (EMC/LVD), EN 60950, RoHS (230V units only)