Tetrex

Small Business Line-Interactive UPS

- Advanced Buck and Boost Function for Automatic Voltage Regulation
- USB Communication Interface
- 2 x IEC320-C13 Output connectors
- 50 / 60 Hz Auto Sensing
- Fully digitised microprocessor controlled
- Shut-Down Software for Windows and Novell

The Tetrex Series is a microprocessor controlled, simulated sine wave, line interactive UPS featuring Auto Voltage Regulation (AVR) with single boost and buck. The AVR allows the UPS a wider input voltage power rating range that results in fewer transfers and extended battery life. All Alpha Tetrex models include graphical interface, user-friendly software capable of safe unattended PC shutdown and standard with telephone network and internet surge protection. Additional features include smart battery management, automatic frequency selection, smart communication and power management software. Product applications include personal computers, epos systems and entry level servers.

Tetrex Series

Technical Data

Model	Tetrex 500	Tetrex 800
Input		
Capacity	500 VA / 300 W	800 VA / 480 W
Voltage	220 / 230 / 240 V ± 25% at nominal line input single phase	
Frequency	50/60 Hz ±10% (auto sensing)	
Output		
Voltage	modified sine wave 220 to 240 V ± 5 % in battery mode	
Frequency	50 / 60 Hz ± 0.5 % in battery mode	
Voltage Regulation AVR	Increase output voltage 15 % above input voltage if line voltage is -9 to -25 % of nominal Decrease output voltage 13 % below input voltage if line voltage is 9 to 25 % of nominal	
Transfer Time	2 to 4 ms. including detection timet	
Autonomy	5 min. at 100 % load / 10 min. at 50 % Load	3 min. at 100 % Load / 8 min. at 50 % Load
Mechanische Spezifikationen		
Dimensions (mm)	97 W x 320 D x 135 H	
Output Connectors	2 x IEC320-C13	
Net Weight	6,5 kg	6,7 kg
Battery		
Typ	Sealed, maintenance free lead acid batteries	
Recharge Time	4 hours to 90%	
Protection	Automatic self-test and deep discharge protection	
Protection		
Overload Protection	automatic shutdown if overload exceeds 110 % of nominal at 60 sec and 130 % at 3s ec, Verkabelungsfehler, Fehler, Überlast, Batterieladestatus	
Unit Input	Fuse for overload & short circuit protection	
Short Circuit	UPS output cut off immediately or input fuse protection	
Filterung		
Telefon- / Fax Filter	10 Base-T Cable Port	
Alarms		
Battery Backup	slow beeping sound	
Battery Low	rapid beeping sound	
Overload	continuous beeping sound	
Computer Interface		
Type	RS232 Bi-directional communication port, optional USB	
Environment		
Operation conditions	0 bis 40 °C (32 bis 104 °F)	
Temperature Warning	Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life	
Altitude	max. 3.500 m	
Humidity	0 - 95 % humidity, non-condensing	
Noise	< 40 dBA at 1 m	
Noise reduction	480 Joules, 2 ms	
Certification		
Marks	TÜV, CE	