

Models BAK-AVRTBF  
400VA-600VA

### *The First UPS With On-Line Power Conditioning With an Affordable Price*



- ▶ Conditioned Power, Automatic Voltage Regulator (AVR) and Battery Backup in one unit
- ▶ The Best Full Protection for Computers, P.O.S. and Telecommunication Systems

**Features:**

- Line interactive design
- Automatic Voltage Regulator
- Fully digitized microprocessor controlled
- Short circuit and overload protection
- Tel / Modem / Internet line (RJ11 / 45)
- 50 / 60 Hz auto sensing
- Lightning and surge protection
- Energy saving (during battery mode, no load)
- Advanced battery management
- Cold start (DC power on)
- User replaceable battery

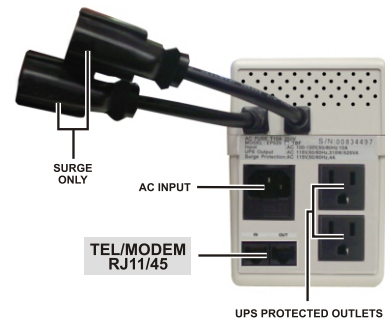
#### The Smart TBF™ Integrated Advantage

Smart TBF™ is the first digital power conditioner with advanced patented technology (**US Pat # 5721661**) eliminates the effects of electrical noise and small spikes in the Common Mode Area to reduce disruptions in your computer system. It filters down the spikes to <10 Volts in Normal Mode and <0.5 Volts in Common Mode area. Only TBF™ Integrated UPS Offer the



- ▶ Reduce Screen Lock-ups
- ▶ Reduce Service Calls
- ▶ Reduce Error Codes
- ▶ Reduce Corrupted Files and Data Loss

#### BAK400AVRTBF - BAK600AVRTBF



1-800-882-8285



### Specifications - 400VA - 600VA

MODEL	BAK400AVRTBF	BAK500AVRTBF	BAK600AVRTBF
<b>OUTPUT</b>			
Capacity VA / W	400 / 240	500 / 300	600 / 360
Voltage (on battery)	Simulated sine wave at 120V ±5% (220V optional)		
Frequency (on battery)	50 or 60Hz ±0.5%		
Voltage Regulation (AVR)	AVR automatically increases output voltage 15% above input voltage if -9% to -25% of nominal. AVR decreases output voltage 13% below input voltage if +9% to +25% of nominal		
Transfer Time	2-4 milli seconds, including detection time		
<b>INPUT</b>			
Voltage	120V ±25%(220V optional)		
Frequency	50 or 60Hz ±10% (auto sensing)		
<b>PROTECTION &amp; FILTERING</b>			
Spike Protection	1040 Joules		
Lowest Pass Through Voltage	<10V Normal Mode <0.5V Common Mode (N-G)		
EMI/RFI Filter	10dB at 0.15MHz, 50 dB at 30MHz		
Overload Protection	UPS automatic shutdown if overload exceeds 110% of nominal at 60 seconds and 130% at 3 seconds		
Unit Input	Fuse for overload & short circuit protection		
Tel / Fax / Network / Modem	Network (UTP / RJ11 / RJ45) compatible jacks		
Short Circuit	UPS output cuts off immediately or input fuse protection		
<b>BATTERY</b>			
Type	Sealed, maintenance-free lead acid		
Typical Recharge Time	4 hours (to 90% of full capacity)		
Protection	Automatic self-test & discharge protection, replace battery indicator		
Back-up Time (Minutes) Half Load	16.6	21.6	16.8
<b>PHYSICAL</b>			
Net Weight (Lbs. / Kg.)	10.32 / 4.68	13.82 / 6.27	14.32 / 6.50
Shipping Weight (Lbs. / Kg.)	11.70 / 5.31	15.26 / 6.92	15.78 / 7.16
Dimensions W x D x H (In.)	3.8 x 10.2 x 5.3	3.8 x 12.6 x 5.3	
Input Inlet	IEC 320 power inlet		
Receptacles	2-NEMA 5-15R * UPS + 2 NEMA 5-15R surge only (IEC 320 female for 220V)		
<b>ALARM</b>			
Audible Warnings	On Battery, Battery Low, Overload (beeping)		
Visual Indications	UPS On, On Battery, Battery Low, Overload		
<b>CONFORMANCE</b>			
Safety	UL, cUL, TUV, CE, FCC		
Surge	Meets IEEE 587 standard		
Warranty	Two years, including battery - \$25,000 Lifetime Connected Equipment Warranty		
<b>ENVIRONMENT</b>			
Ambient Operation	3500 meters max. elevation, 0-95% humidity non-condensing, 0-40 deg C		
Audible Noise (1 meter from surface)	<40dBA		
Storage Condition	15000 meters max. elevation		

220/230/240V models available. Consult factory for specifications and features.  
 \*Optionally comes with (Ext 3R) extension for a total of 4 NEMA 5-15R UPS  
 Specifications and features subject to change without notice.