

## High Frequency Online UPS HFT 900 Series

1kVA~10 kVA

Reliable, Intelligent, Compact, Scalable & Flexible

For Critical Computer, Internet Network  
& Telecom Applications

Secure Power Supply, wherever irreplaceable data loss, production loss & electrical downtime are serious issues, especially as main power is subject to numerous short & long disturbances.

Specialising in critical application power supplies, AIRKOM UPS provides effective Protection of sensitive equipment against disturbances affecting the quality of the electrical network.

### Salient Features

- High frequency and dual conversion on-line technology
- Wide input voltage range
- Digital Control technology
- Advanced PFC Technology
- Self-diagnosis at UPS startup
- Advanced battery management (ABM)
- Cold start feature (DC Power on)
- Automatically charging batteries in UPS off mode
- Lightning and surge protections
- Short Circuit and overload protections
- Fan speed automatically changes as load varies
- Optional external battery pack
- EMI/RFI noise filter
- RS 232 output
- Shutdown & restart schedule

### Parallel Redundancy ( 6 - 10 kVA )

- Upto 2 units can be Parallel for power redundancy and load sharing
- Highest reliability and maximum performance for power sharing and redundancy.

**A**irkom Electronics Pvt. Ltd (AEPL) is a part of AIRKOM GROUP. It has its Head Office and Factory at Navi Mumbai. Established in 1987, Airkom has its operations across the country. AIRKOM range of power conditioning products are manufactured, marketed and serviced by a young and dynamic team of engineers lead by a technocrat over 40 years experience.



**Speciality of HFT 900 Series : Nominal voltage, nominal frequency & by-pass voltage range can be adjusted via LCD panel**

### Application

- Small office network applications
- Network devices: hubs, routers, bridges
- Remote telecommunications units
- Office Telecommunications systems
- Voice mail and e-mail servers
- Bio Medical Test and diagnostic equipments
- Engineering network servers
- Process automation & control equipment
- Mission critical LAN & WAN Servers

### Airkom UPS Range

HFT 900 Series	: 1 to 10 kVA
HFR 900R Series	: 1 to 10 kVA
LFT 800 Series	: 1 to 30 kVA
LFT 890 Series	: 10 to 400 kVA

- Servo Controlled Voltage Stabiliser (SCVS)
- Uninterrupted Power Supply ( UPS )
- Static Control System ( SCS )
- Power Saver Unit (PSU)
- Industrial Automation - Drives, Motion & Control
- Isolation / Ultra Isolation Transformer
- Step Down / Step Up Transformer
- After Sales Support

# AIRKOM®

# High Frequency Online UPS

## HFT 900 Series

Uninterrupted Power Supply System

### Block Diagram

- |                          |                            |
|--------------------------|----------------------------|
| 1 Overcurrent Protection | 7 RS 232                   |
| 2 AC Input               | 8 SNMP (Optional)          |
| 3 Modem / Tel / Fax      | 9 Parallel Card(Optional)  |
| 4 DC Input               | 10 Manual Bypass(Optional) |
| 5 Outlet                 | 11 Breaker                 |
| 6 FAN                    | 12 Terminal                |

### Rear Panel



### Specifications

Model	HFT 901	HFT 902	HFT 903	HFT 906	HFT 910
Capacity (Linear Load)	1KVA/700W	2KVA/1400W	3KVA/2100W	6KVA/4200W	10KVA/7000W
<b>Input</b>					
Voltage Range	Half-Load 120-300VAC, Full-Load 165V-300VAC			176V~276VAC	
Frequency Range	45.5Hz~54.5Hz				
Power Factor	≥ 0.95				
<b>Output</b>					
Voltage	220/230/240V±3%				
Frequency	50/60Hz±0.5				
Distortion	<3%(Linear Load); <5%(Non-linear Load)				
Waveform	True Sine Wave				
Efficiency	≥ 85%				
Overload Capability	110%~150%; Switch to Bypass after 1Min; >150%; Shut down after 200ms			110%~150%; 10Min; >150%; 1Min	
Crest Factor	3:1				
Short Circuit	UPS turn off output and alarm				
<b>Battery</b>					
Model	12V sealed lead acid maintenance Free				
Voltage	36VDC	96VDC	240VDC		
Configuration	3x12V/7AH	8x12V/7AH	20x12V/7AH	20x12V/9AH	
Recharge Time	90% capacity after 8hrs charging				
Charge Current	Standard Model:1A; Long time Model:7.5A			Standard Model:1A; Long time Model:5A	
<b>Others</b>					
Communication Interface	RS232; SNMP(optional)				
LCD and LED	Utility, Inverter, Bypass, Battery, Load, Battery Mode, Frequency, UPS Fault Indicator				
Audible Alarm-Battery Discharge	Utility Failure, Beep/4s; Battery Low, Beep/1s				
UPS Abnormal	Continuous Beep and Red LED on				
Noise Level	<55dB				
Ambient Temperature	0°C~40°C				
Humidity	10%~90%				
Dimension (mm)	145W x 215H x 415D	190W x 330H x 470D	260W x 730H x 560D		
Net weight (Kg)	6.5KG(H), 12.3KG(S)	13.2KG(H), 28KG(S)	40.5KG(H), 86.3KG(S)		
Packing Dimension	236W x 316H x 492D	337W x 482H x 602D	355W x 815H x 650D (H)		
Gross weight (Kg)	7.6KG(H), 13.3KG(S)	14.5KG(H), 29.3KG(S)	42.8KG(H), 93.6KG(S)		

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication  
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For more product information please contact us:

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