



Ador PowerAce

HP Series - ON-LINE High Frequency Double Conversion UPS Systems



- High Input Power Factor
- Wide Input Range
- Built-In Bi-directional Static Bypass Facility
- Very Compact & Light Weight
- Lighting & Surge Protection
- Exclusive Feature for Data Processing Machine

HP SERIES

The HP Series is new Advance True ON-LINE Double Conversion High Frequency Transformer less design UPS. The HP Series is fully Microprocessor control system with wide input voltage Range Suit for Indian Power Condition. This UPS employs the Advance PFC technology with Intelligent Battery Management System.



HP SERIES

ON-LINE High Frequency Double Conversion UPS Systems

MODEL	HP 1101B	HP 1102B	HP 1103B
CAPACITY	1KVA/700W	2 KVA/1400W	3 KVA/2100W

INPUT

Voltage Range	when load < 50%, range is 118~295 VAC when load > 70%, input range is 160 VAC~295 VAC		
Frequency	45-55HZ		
Phase	Single Phase		
Input Power Factor	>0.97	>0.97	>0.97

OUTPUT

Voltage Range	220Vac ± 2%		
Frequency Range	50Hz ± 0.2%		
THD (Linear load)	< 3%		
THD (non-Linear load)	< 4%	< 5%	< 5%
Over Load Capacity	110% 30 sec 150% 200 msec		
Crest Factor	3:1(max)		
Short Circuit Protection	5 cycles turn off inverter, no transfer to bypass, provide alarm (AC) 5 cycles turn off inverter, provide alarm (battery mode) Input fuse blown or breaker action		
Waveform	Pure Sine Wave		
Transfer Between AC Mode and Battery Mode	0 ms		
Transfer Between AC Mode and Bypass Mode	Transfer time: 4ms (typical 2.5ms)		
Efficiency	> 92%	> 92%	> 92%

BATTERY

Type	12V sealed lead acid maintenance free		
DC Voltage	36VCD	96VCD	96VCD
Battery	3x12V/7AH	8x12V/7AH	8x12V/7AH
Backup Time (half load)	13min	20min	16min
Backup Time (full load)	8min (6-8min)	8min	5-7min
Recharge Time	90% capacity after 8 hours charging		
Communication Interface	RS232 ; SNMP (optional)		
LED Indication	load and battery capacity via bar graph		
Noise Level	< 45dB		

ENVIRONMENT

Temperature	0~40°C		
Humidity	0%-95% (Non-condensing)		
Altitude	< 1500 m		
Storage Temperature	-25~55°C		

OTHER

Standard Unit net/gross Weight	13/15Kg	33/35Kg	34/36 Kg
Long Time Unit net/gross Weight	7/9 Kg	18/20 Kg	19/21 Kg
Dimension (WxDxH)mm	144x412x213	191x470x338	191x470x338

*Specifications are subject to change without prior notice

Special Software solutions available for Auto-shutdown, Control & Monitoring in Windows 95 / 98 / 2000, NT 3.5 x/ 4.0, SCO UNIX, SUN Solaris SPARC / INTEL, LINUX, HP-UX, IBM AIX, OS / 2 Warp, Novel Netware.



Unique Features

- High Frequency Double Conversion True ON-LINE Technology
- Fully Microprocessor Control
- Wide Input Voltage Range
- Advance PFC Technology
- Advance Battery Management
- Self Testing When UPS Start Up
- Short Circuit & Overload Protection
- Network/Fax/Modem Surge Protection
- Load/Battery Voltage Display
- EMI/RFI Noise Filter
- Smart RS232 Interface
- SNMP Management (Option)
- Pure Sine Wave Output
- Charger for Longer Backup
- Automatic Bypass
- Inbuilt Batteries



- 1 ON Switch & Alarm Removal Button
- 2 Battery Indicator
- 3 Overload Indicator
- 4 Bypass Indicator
- 5 Battery Low Voltage
- 6 Battery Indicator
- 7 Fault Indicator
- 8 OFF Switch
- 9 Utility
- 10 Inverter Indicator
- 11 Load Indicator



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