



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
- Advance Battery Management



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 1101	HP 1102	HP 1103
CAPACITY	1KVA/700W	2KVA/1400W	3KVA/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	0.99	0.99	0.99

OUTPUT

Voltage	230Vac ± 2%		
Frequency	50 Hz ± 0.2%		
THD (Liner load)	< 3%		
THD (non-Liner load)	< 5%	< 5%	< 5%
Over Load Capacity	> 110% 30s turn to bypass mode > 150% 200ms turn to bypass		
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 2.5 ms)		
Efficiency	≥ 92%	≥ 92%	≥ 92%

BATTERY

Type	12V sealed lead acid maintenance free		
DC Voltage	36VCD	96VCD	96VCD
Backup Time	5 mins. to 5 hrs.		
Recharge Time	90% capacity after 8 hours charging		
Communication Interface	RS232 ; SNMP (optional) 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.		
LED Indication	load or battery capacity		
Noise Level	< 45dB		

ENVIRONMENT

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

OTHER

Standard Unit net/gross Weight	13/15 Kg	33/35 Kg	34/36 Kg
Long Time Unit net/gross Weight	7/9 Kg	18/20 Kg	19/21 Kg
Dimension (WxDxH) mm	144x412x213	191x470x338	191x470x338
Packing (WxDxH) mm	235x525x323	325x605x465	325x605x465

*Specifications are subject to change without prior notice.



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



POWERTRON

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