

SMARTER. GREENER. FASTER.

- 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
- Advanced Battery Management
- LCD Display

# **HP SERIES**

HP Series 1, 2 and 3 kVA UPS system is a on-line double conversion high frequency transformer less design. The system is fully Microprocessor based with wide input voltage range suitable for Indian power conditions. HP UPS commits Advanced PFC technology with Intelligent

Battery Management System.

#### Applications -

**ATMs** 

Servers

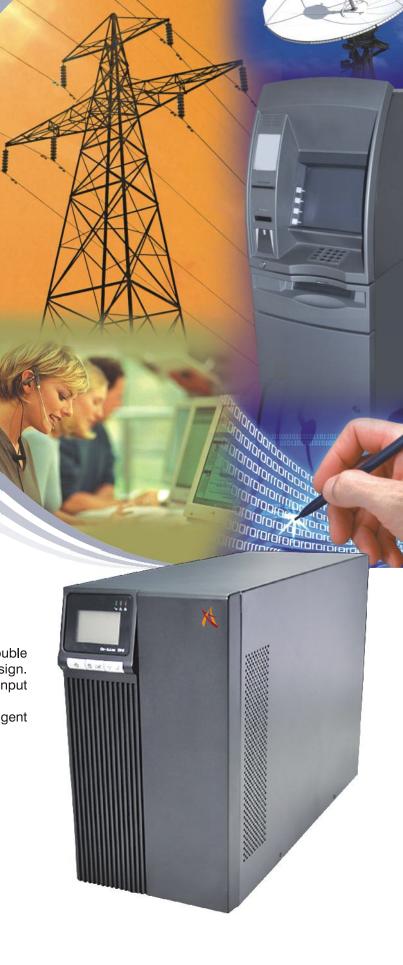
Medical Equipments

Security Systems

Automation

**CNC Machines** 

VSAT communication network







# **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
- LCD Display
- EMI/RFI Noise Filter
- Smart RS232 Interface
- SNMP Management (Option)
- Pure Sine Wave Output
- Charger For Longer Backup
- Automatic Bypass
- Inbuilt Batteries Option

# **HP SERIES**

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

### **Technical Specifications**

Model - HP	HP 1101	HP 1102	HP 1103	
Capacity	1kVA/700kW	2kVA/1400kW	3kVA/2100kW	
INPUT				
Voltage Range	for load <50% range : 118 ~ 295 V AC			
	For load >70% range: 160 V		C ~ 295 V AC	
Frequency	45 - 55Hz			
Phase	Single phase			
Power Factor	≥ 0.97			
OUTPUT				
Voltage	230 V AC ± 2%			
Frequency	50Hz ± 0.2%			
Overload	> 110% for 30 sec turn to bypass mode;			
	>150% for 200 ms turn bypass mode			
Waveform	Pure sine wave			
THD (linear load)	< 3%			
THD (non-linear load)	< 5%			
Load CF	3:1 (max)			
Transfer between AC mode to battery mode	0 ms			
Transfer between AC mode to bypass mode	Transfer time : 4ms (typical 2.5 ms)			
Efficiency(nominal)	90%			
GENERAL				
Acoustic Noise (Full load) @1.5m distance	< 45 dBA			
Dimensions (W x D x H) (mm)	144×412 ×213 191×470×338 191×470×338			
Unit Weight w/o batteries - net/gross	7.5/9 Kg.	14/16 Kg.	15/17 Kg.	
Temperature	0-40° C			
Humidity	0% - 95% (Non-condensing)			
Altitude	< 1500m			
Storage temperature	-25∼55° C			
COMMUNICATION				
RS 232	Yes			
SNMP	Optional			
LCD DATA DISPLAY				
Input	Voltage, Current, Frequency			
Output	Voltage, Current, Frequency			
Batteries	Voltage			
Load level		Yes		
Temperature		Yes		
BATTERY				
Туре	Sealed Maintenanc	Sealed Maintenance Free (SMF) VRLA, Tubular lead acid		
DC Voltage	36 VDC	96 VDC	96 VDC	
Backup Time	10 Mins to 5 Hours			
Recharge Time	Typically 8 Hours			

<sup>■</sup> All specifications are subject to change without prior notice.

#### **ADOR POWERTRON LTD.**

An ISO 9001-2000 Company

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