

Online UPS

HP900RT (1-3KVA) Series



1 KVA - 3 KVA



Application: Rack mounted server and othe networking equipment

- Rack and tower convertible
- High frequency and double conversion on-line technology
- Fully digitized microprocessor control
- Wide input voltage range
- Advanced PFC technology
- Self-testing when UPS startup
- Advanced battery management
- Automatic battery charge in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Fan speed auto control when loads varies
- Network/fax/modem surge protection
- Optional extension battery pack
- LCD display
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP Card slot

Control Panel



- 1 LCD
- 2 ON/OFF Button
- 3 Self-test/Silence Button
- 4 Scroll Button
- 5 Normal
- 6 Alarm
- 7 Abnormal

Back Panel



- 1 Battery Socket
- 2 Output Socket
- 3 Input Socket
- 4 Break
- 5 Fan
- 6 Net Surge Protection
- 7 Communication Interface
- 8 Output Wiring Socket
- 9 Internal SNMP Slot
- 10 Dry Contact
- 11 EPO

specifications

Model	HP910RT	HP920RT	HP930RT	
Power	1KVA/700W	2KVA/1400W	3KVA/2100W	
Input	Voltage Range	When load < 70%, input range is 115±5VAC~295±5VAC When load ≥ 70%, input range is 160±5VAC~295±5VAC		
	Frequency Range	46~54Hz±0.5Hz or 56~64Hz±0.5Hz auto sensing		
	Phase	Single phase		
	Power Factor	≥0.97		
Output	Voltage Range	220Vac ± 2%		
	Frequency	50Hz/60Hz±0.2%		
	THD (Linear load)	< 3%		
	THD (non-Linear load)	< 6%		
	Overload	> 110% 30s turn to bypass mode; > 150%, 300ms turn to bypass mode		
	Crest Factor	3:1 (max)		
	Short Circuit	5 cycles turn off inverter, no transfer to bypass, provide alarm (AC mode) 5 cycles turn off inverter, provide alarm (battery mode) Input fuse blown or breaker action (bypass mode)		
	Waveform	Pure sine wave		
	Transfer Time Between AC Mode and Battery Mode	0 ms		
	Transfer Time Between AC Mode and Bypass Mode	Transfer time: 4ms (typical 2.5ms)		
	Efficiency	≥83%	≥85%	
Battery	Model	12V sealed lead acid maintenance free		
	DC Voltage	36VDC	96VDC	
	Configuration	3 x 12V/7AH	8 x 12V/7AH	
	Backup Time (half load)	12min	19min	16min
	Backup Time (full load)	5min	8min	5min
	Charge Current (standard unit)	0.7A	0.7A	0.7A
	Charge Current (long time unit)	7.5A	7.5A	7.5A
	Recharge Time	90% capacity after 8 hrs charging		
Communication Interface	RS232 ; SNMP (optional)			
LCD Indication	1. Input voltage/frequency , battery voltage, output voltage/frequency, load watt/VA value and percent, inverter temperature 2. Operation mode such as "on line", "on batt", or "on bypass"			
LED Indication	1. Green led for normal operation, 2. Yellow led for warning condition 3. Red led for abnormal operation			
Noise Level	< 45dB			
Environment	Temperature	0~40℃		
	Humidity	0%~95% (Non-condensing)		
	Altitude	< 1500m		
	Storage Temperature	-25~55℃		
Other	Standard unit			
	Net/Gross Weight	14/16Kg	34/36Kg	35/37Kg
	Long Time Unit			
	net/gross weight	8/10Kg	19/21Kg	20/22Kg
	Dimension (W×D×H)mm	483×440×89		483×520×133
Packing (W×D×H)mm	587×550×254		595×665×292	