

APS-RT RACK / TOWER

UNIVERSAL ONLINE HF UPS

RC series: 1 KVA – 20 KVA

Applicable to all kinds of network equipment and precision instrument systems



ABOUT PRODUCT

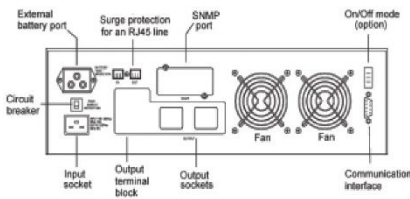
The APS-RT Rack & Tower UPS System is a line of advanced True On-Line Double Conversion technology. The ingenious mechanical design allows for both 19" Rack or Tower configuration all-in-one solution. This allows the customer the convenience of flexibility when installing the UPS. A user-friendly revolving LCD display allows for the customer to interrogate the UPS, load and battery status. This systems is offered from 1kVA to 20kVA with standard 5-10 minutes back-up or alternatively for long duration back-up.

PRODUCT PERFORMANCE

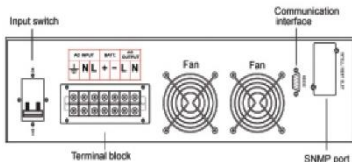
The APS-RT is an advanced, true online Uninterruptible Power Supply (UPS) providing reliable, regulated and stable voltage to any type of load, from computers and telecommunication systems to automated industrial control systems. The APS-RT UPS is available in various models of up to 20 kVA. Voltage surges, spikes and sags are inherent in commercial utility power. Over time, these irregularities shorten the life of the equipment and components. The APS-RT UPS continually eliminates power irregularities, thus helping extend the life of your equipment, even through normal use when the input power is constant and continuous. The APS-RT is designed so that it can be deployed horizontally or vertically. When deployed horizontally, it fits in a standard 19" rack, and is 2U in height. When deployed vertically, the control screen can be physically rotated 90 degrees for easy use in either position.

MAIN FEATURES

- True on-line sine design, pure sine wave output without pollution
- Intelligent DCP/CPU design with 0.99 PFC
- Zero transfer time ensuring the reliability of the load operation
- Local and remote control capability with RS232 or USB port compatible with SNMP
- Self diagnosis and protection function
- Peak value of current and short circuit protection design
- Output Power Factor of 0.9. High output power capacity
- N+1 Parallel capability
 - Overall efficiency > 93%
 - Input Current Harmonic < 5%



Rear panel of APS- RT 1 – 3 kVA 19" models



Rear panel of APS- RT 6 and 10 kVA 19" models



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TECHNICAL SPECIFICATIONS

Model	1K	1KS	2K	2KS	3K	3KS	6K	6KS	10K	10KS	3 - 10KS	3 - 15KS	3 - 20KS										
Capacity	1KVA/0.9KW		2KVA/1.8KW		3KVA/2.7KW		6KVA/5.4KW		10KVA/9KW		15KVA/13.5KW		20KVA/18KW										
Topology	True on-line, double-conversion, VFI																						
Operation	Continuous																						
Input																							
Input	Voltage						110-300 VAC				120 - 275 VAC		304 - 478 VAC										
	Frequency													50/60 Hz ± 10% (Battery Mode)									
Output																							
Output	Voltage													220/230 ± 1% VAC									
	Frequency													50/60 Hz ± 0.5Hz (Battery Mode)									
Output Waveform	Pure Sine Wave																						
Transfer Time	Zero																						
DC Voltage (VDC)	36	36	72	72	96	96							192										
Waveform	Sinusoidal																						
THD (%)	< 2 for linear load																						
Power factor 0.8	0.9																						
Batteries																							
Battery Type	Sealed, lead acid, rechargeable, maintenance-free																						
General																							
Overload Capacity	105% - 125%		10s				Output will switch to bypass after 1 minute																
	125% - 135%		200 ms				Output will switch to bypass after 30 seconds																
	>135%		200ms				Output will switch to bypass after 100 ms																
Crest Ratio	3:1 (max)																						
Distortion (Full Load)	Linear Load													< 3%									
	Non-Linear Load													< 5%									
Communication interface	Rs 232 interface + Intelligent Slot																						
Working Temperature	0° ~ 40°C																						
Relative Humidity	20 ~ 90% (non-condensing)																						
LCD Display																							
Input	Voltage, current																						
Output	Voltage, frequency, current																						
Batteries	Voltage																						
Log (events memory)	Last 200 events																						
Standards																							
Safety	IEC 62040-1																						
EMC	IEC 62040-2																						
Design	IEC 62040-3																						
Low Magnetic Field Radiation	EMF as per ICNIRP																						
Dimension	(W x D x H) mm													430 x 480 x 88 (2U)		430 x 680 x 88 (2U)				430 x 680 x 178 (4U)			
	Standard Type		2U	2U	2U + 2U	2U	2U + 2U	2U	2U + 2U	2U	2U + 2U	2U	2U	4U	4U								
	Long Backup																						
Net Weight (kg)	12 / 14	8.5	27 / 30	13	28 / 31	13.5	89	18	90	19	26	40	40										

Specifications can be adjusted and modified.

Compliant with International EMC standards

Additional Remarks:

Internal batteries are based on the standard models listed below

- 1K 12V7Ah×3 2K 12V7Ah×8
- 3K 12V7Ah×8 6K/10K 12V9Ah×16

** Model 'S' indicates long backup model



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