APS-T Tower

Series 1 -3KVA. **Applicable to all kinds of electronic equipment**

ABOUT PRODUCT

The APS-T Tower System is a line of advanced True On-Line Double Conversion technology. This traditional configuration offers the recognised solution supplied over many years. A user-friendly LCD display allows for the customer to interrogate the UPS, load and battery status. This system is offered from 1kVA to 10kVA with standard 5-10 minutes back up or alternatively for long duration back-up.

PRODUCT PERFORMANCE

The APS-T Tower System is a physically small On-Line double conversion UPS but retains all the features normally associated with On-Line technology, but what is On-Line double conversion technology and why does it matter? Simply put "double conversion" is where the mains supply is rectified to a clean DC voltage and rebuilt into a very clean and regulated AC voltage, at all times your critical load runs from this clean no break supply.

MAIN FEATURES

- Sine Wave Output: Whether on mains mode or battery mode, the UPS will provide sinewave
- Zero Transfer: When mains fails or returns, the transfer time is zero, ensuring reliability of the load
- DC Start-up : When mains fails the UPS will turn on itself in battery mode and start up the load
- Intelligent Long backup time of up to 8 hours with enhanced discharge and recharge techniques.
- Self diagnosis and protection function
- Generator compatible
- Output Power Factor of 0.9. High output power capacity
- Green Energy saving in online mode with an input power factor of 0.99
- Intelligent Slot: Users can add an SNMP card (optional) to achieve remote monitoring functions
- N+1 Parallel capability
  - Overall efficiency < 93%
  - Input Current Harmonic > 5%

APS-T Tower
Series 1 3KVA, LCD LED Optional

TECHNICAL SPECIFICATIONS

Model		D1K	D1KS**	D2K	D2KS**	D3K	D3KS**
Capacity		1KVA / 0.9 KW		2KVA / 1.8 KW		3KVA / 2.7 KW	
Input							
Input	Voltage	110 VAC ~ 300 VAC					
	Frequency	50 / 60 Hz ± 10%					
Output							
Output	Voltage	220/230 ± 1% VAC					
	Frequency	50/60 Hz ± 0.5Hz (Battery Mode)					
Output Waveform		Pure Sine Wave					
Transfer Time		Zero					
Backup time (full/half load)		>5' / 13	… …	>6' / 15	… …	>5' / 13	… …
Internal Battery		7Ah × 3	… …	7Ah × 6	… …	7Ah × 8	… …
DC Voltage (VDC)		… …	36VDC	… …	72VDC	… …	96VDC
Battery Type		Sealed, lead acid, rechargeable, maintenance-free					
Overload Capacity		105% ~ 125% output switch to bypass after 10 seconds, over 125% keep 200 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)					
Dimension (W x D x H) mm		405 × 145 × 220		465 × 196 × 345			
Net Weight (kg)		11 / 12.5	6	22.5 / 30	13.5	27.5 / 30.5	14
Standards							
Safety		IEC 62040-1					
EMC		IEC 62040-2					
Design		IEC 62040-3					
Low Magnetic Field Radiation		EMF as per ICNIRP					

Specifications can be adjusted and modified.
Complaint with International EMC standards
Additional Remarks:
** Model 'S' indicates long backup model

Altitude to Coefficient of Reduction

Altitude	1000	1500	2000	2500	3000	3500	4000	4500	5000
Coefficient of Reduction	100%	95%	91%	86%	82%	78%	74%	70%	67%