

APS-T Tower N+X

Series: 6-20KVA Single & Three Phase
N+X parallel redundancy Max: 60KVA



ABOUT PRODUCT

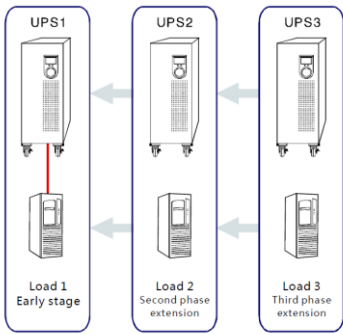
The APS-T Tower Series UPS D6KS 3D20KS uses parallel redundancy and adopts double conversion true online structure which avoids loads being subjected to sudden power outages. It can ensure the output stability by fine voltage regulation and provide very high reliability by adopting digital control technology to achieve parallel redundancy (DSP control).

PRODUCT PERFORMANCE

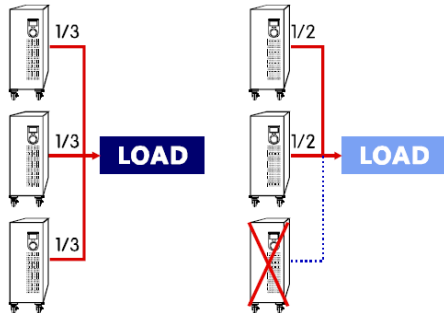
The APS-T Tower Series is a range of high frequency true on-line double conversion UPS which offers high end technology with a variety of capability to meet all ICT environment needs. The UPS offers zero transfer time, with a wide input voltage window for harsher type environments. Its leading edge technology ensures greatly reduced risks of down time of sensitive equipment and further risk degradation by its intelligent N+1 DSP controlled Parallel Redundant offering.

MAIN FEATURES

- True online design, pure sine wave output without pollution
- Reliable Parallel Technology (N+1 Parallel Redundancy)
- Compact size and lightweight due to high PF rating
- High Power Factor of 0.9. High output power capacity
- Online Maintenance/ Repair Mode (should use MMBS in this mode)
- Intelligent charging management
- Automatic Restart Function
- Wide input voltage window tolerances
- 93% energy efficient in full online mode
- Strong EMI resistance inline with IEC61000-4



Sketch of parallel extension



Sketch of parallel redundant



APS-T Tower

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TECHNICAL SPECIFICATIONS

Model	D6K		D6KS**		D10K		D10KS**		3D10KS		3D15KS**		3D20KS**													
Capacity	6KVA/5.4KW				10KVA/9KW				15KVA/13.5KW		20KVA/18KW															
Input																										
Input	Phase	Single Phase						Three Phase																		
	Voltage	120VAC ~ 275VAC						304VAC ~ 478VAC																		
	Frequency	50/60 Hz ± 10% (Battery Mode)																								
Output																										
Output	Voltage	220/230 ± 1% VAC																								
	Frequency	Same with input (utility mode) 50/60 Hz ± 0.5Hz (Battery Mode)																								
	Crest Ratio	3:1(max)																								
Output Waveform															Pure Sine Wave											
Transfer Time															Zero											
Backup Time (Full, Half/ Load)															4~7'/12~20'		192VDC		3~5'/10~13'		192VDC and 240VDC					
DC Voltage																										
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%	Output switches to bypass after 1 min																								
	125% - 135%	Output switches to bypass after 30 sec																								
	>135%	Output switches to bypass after 100 ms																								
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)	515 x 250 x 616		515 x 240 x 460		515 x 250 x 616		515 x 240 x 460		515 x 250 x 616																	
													570 x 260 x 717 (240VDC)													
Net Weight (kg)	56		18.5		61		20		27		35		35.5													
													240 VDC													
		90		35		93		38		39		55		55												

Specifications can be adjusted and modified.

Compliant 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%



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