

APS-T Tower N+X

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



ABOUT PRODUCT

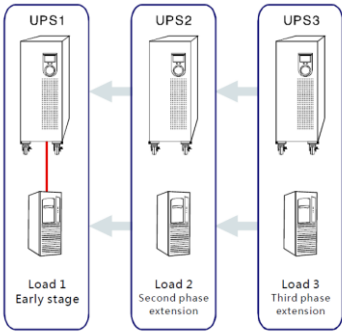
The APS-T Tower Series UPS D6KS 3D20KS uses parallel redundancy and adopts double conversion true online structure which avoids loads being subjected to sudden power outages. It can ensure the output stability by fine voltage regulation and provide very high reliability by adopting digital control technology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

PRODUCT PERFORMANCE

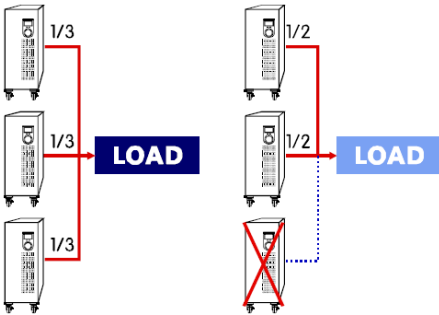
The APS-T Tower Series is a range of high frequency true online double conversion UPS which offers high end technology with a variety of capability to meet all ICT environment needs. The UPS offers zero transfer time, with a wide input voltage window for harsher type environments. Its leading edge technology 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
- 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



1/16 Juna Drive, Malaga, WA 6090, Australia

P +61 8 9248 6398 M +61 410 365 289 E marco@antipodespower.com
www.antipodespower.com

ABN 11 616 890 183

APS-T Tower

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TECHNICAL SPECIFICATIONS

Model	D6K	D6KS**	D10K	D10KS**	3D10KS	3D15KS**	3D20KS**							
Capacity	6KVA/4.8KW		10KVA/8KW		15KVA/12KW		20KVA/16KW							
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'		3~5'/10~13'											
DC Voltage	192VDC		192VDC and 240VDC											
Waveform	Sinusoidal													
THD (%)	< 2 for linear load													
Power factor 0.8	0.8													
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	
	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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