

Power Protection and Reliability for Mission Critical Applications.
Isolated Online Double Conversion UPS Systems



- Fully featured online double conversion UPS Systems with built-in isolation transformers offering the best available power protection technology.
- Available from 1KVA to 10KVA, capacity can be extended or reliability improved by connecting the 6 or 10KVA units in parallel.
- Overload minimised with high output power factor of 0.9 or 1.0
- Comprehensive LCD display, allows full control over unit parameters and at-a-glance indication of unit status.
- True online double conversion topology ensures high quality power waveform, adjustable output voltage and frequency conversion mode.

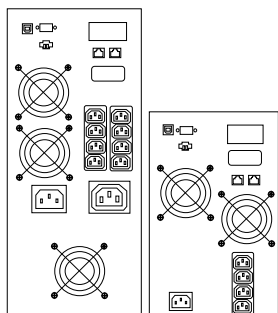
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SPECIFICATIONS

MODEL	TX1000	TX3000	TX6K	TX10K
CAPACITY*	1000VA/900W	3000VA/2700W	6kVA/6kW	10kVA/10kW
INPUT				
Voltage Range	180~300VAC (Full Load) 130VAC~300VAC (<60% Load)			
Frequency range	46~54Hz (50Hz System) 56~64Hz (60Hz System)			
Phase	Single Phase w Ground			
Power Factor	≥0.98 @ 100% Load			
OUTPUT				
Output Voltage	208/220/230/240VAC			
AC Voltage Regulation	±1% (Battery)			
Frequency (Synchronised)	As input			
Frequency (Battery)	50±0.1Hz or 60±0.1Hz			
Overload	AC Mode	TBA	100~110%: 10min, 110%~130%: 1min, >130%: 1sec	
	Battery Mode	TBA	100~110%: 30sec, 110%~130%: 10sec, >130%: 1sec	
Current Crest Ratio	3:1			
Harmonic Distortion	<2% @ 100% Linear Load, <6% @ 100% Non-linear load			
Transfer Time	Line ↔ Battery	0ms		
	Inverter ↔ Bypass	4ms		
	Inverter ↔ ECO	<10ms		
Waveform	Pure Sinewave			
EFFICIENCY				
AC Mode	≥75%	≥82%	≥88%	
ECO Mode	≥80%	≥85%	TBA	
Battery Mode	≥87%	≥90%	≥88%	
BATTERY				
Type	12V/7Ah	12V/9Ah	12V/7Ah	12V/9Ah
Qty	3	6	20	20
Charge Current	1-4A		1A	
PHYSICAL				
Dimension WxDxH (mm)	190x421x318	190x426x448	250x592x826	
Net Weight (kg)	30.1	42.1	117	142
ENVIRONMENT				
Operating Temperature	0~40°C (Note diminished battery life at >25°C)			
Humidity	20-95% RH Non Condensing			
Altitude	<1000m. Derate unit 1% for every 100m climb in altitude			
Noise Level	<50dBA @ 1m			
MANAGEMENT				
Smart RS232 or USB	Supports Windows, Linux, Unix & MAC Platforms			
Intelligent Slot	Supports Power Management from SNMP manager & web browser. Supports Relay Card			

* Capacity is derated to 50-80% when operating in frequency converter mode and 80-90% at 200/208V output.

Although every effort has been made to ensure the accuracy of these specifications, they are provided for guidance only and do not form part of any contract.



The 1&3 KVA models are both pluggable units, with IEC 320 C13/C14 inputs and outputs on the 1KVA. C19/20 input and output are on the 3KVA with additional C14 outlets. The 6&10KVA are hardwired by default but can be pre-fitted with Commando input plugs and couplers as an option. Bespoke power distribution modules are available. Contact us for details.



Uniformity of operation across the range including comprehensive LCD display, allowing setting of UPS parameters and interrogation of UPS status.