

T series TR series



Tower and 19" Rack-mount Model

T-6000, TR-6000: 6kVA/6kW

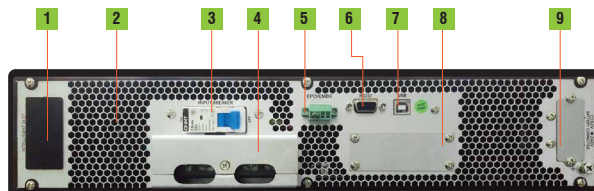
T-10K, TR-10K: 10kVA/10kW



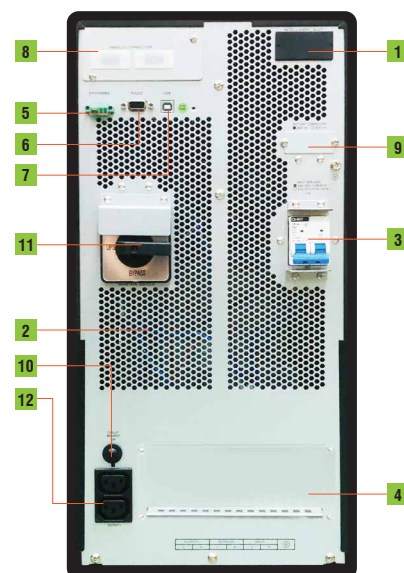
KEY Features:

- True on-line double conversion with 3-level inverter design UPS
- DSP technology guarantees high performance
- Output power factor 1.0
- Wide input voltage range 110-300Vac
- 50/60 Hz frequency converter mode
- MIMIC LCD for real-time UPS status display
- Auto self-testing system while turning on UPS
- ECO mode operation for energy saving
- Emergency power off (EPO) function
- Programmable power management output (Tower model)
- Selectable output voltage via LCD panel
- Cold start function
- Smart battery charger design to optimize battery performance
- Battery charger with temperature compensation technology
- Adjustable battery numbers
- Short circuit protection
- Lightning and surge protection
- Built-in USB and RS-232 communications port for management software
- Built-in maintenance bypass switch (Tower model)
- Generator compatible
- **Optional external maintenance bypass switch**
- **Optional compatible with SNMP protocol**
- **Optional hot standby mode and N+X parallel redundancy**
- **Optional isolation transformer**
- **UPS Monitoring and Controlling Software, Available for immediate download via the website**

1. Intelligent Slot
2. Cooling Fan
3. Input Breaker
4. Input & Output Terminal
5. EPO/EMBS
6. RS-232
7. USB
8. Parallel Connection
9. Battery Connector
10. Output Breaker
11. Maintenance Bypass Switch
12. Output Outlet



19" Rack-mount (TR-6000, TR-10K)



T-6000, T-10K

TECHNICAL SPECIFICATION

Tower Model		T-6000	T-10K
19" Rack-mount Model		TR-6000	TR-10K
Power Rating		6kVA/6kW	10kVA/10kW
Input	Voltage Frequency Phase Power factor Thdi	110-300Vac at 50% Load, 220Vac $\pm 20\%$ at 100% load ($\pm 27\%$ Option) 50 or 60Hz $\pm 10\%$ Single phase with ground >0.99 @ nominal voltage (100% Load) $\leq 4\%$ THD (Non-Linear load) 4% @ nominal voltage (100% Load)	
Output	Voltage Voltage regulation Frequency Overload recovery UPS Design technology Crest factor Harmonic distortion Output waveform Transfer time	208/220/230/240Vac $\pm 1\%$ 50 or 60Hz $\pm 0.1\%$ (Battery mode) Auto transfer to UPS True on-line double conversion, Full digitized microprocessor controlled 3:1 $\leq 1\%$ THD (Linear load), $\leq 4\%$ THD (Non-Linear load) Pure sinewave 0 ms	
Efficiency	AC mode Battery mode ECO mode	>94% >91% >96%	
Protection and Filtering	Surge protection Overload protection Short circuit protection	EN/IEC 61000-4-5 Level 3 UPS Automatic bypass if overload between 110% to 130% at 60 seconds and more than 130% at 1 seconds UPS Output cut off immediately or input fuse/circuit breaker protection	
Battery	Type Typical recharge time to 90% Management Battery protection Cold Start (DC start) Back up time Expansion back up time	Sealed, lead acid maintenance-free 8 hours Self-test, Adjustable battery transfer points and alarm setting Cut off without draining any current when battery is low Yes 15-30 minutes (Depending on computer load) Depending on customer required	
Indicators	Status	UPS status, Load level, Battery level, Input/output voltage, Discharge timer, and Fault conditions	
Audible Alarm	Battery mode Low battery Overload Fault	Sounding every 4 seconds Sounding every second Sounding twice every second Continuously sounding	
Dimension (DxWxH mm)	Tower	592 x 250 x 576	
	19" Rack-mount	509 x 438 x 88 (2U)	
Weight (kg)	Tower (with battery)	81	83
	19" Rack-mount (without battery)	11	12.1
Environmental	Operating temperature Relative humidity Noise level	0-40 °c 0-95% (Non-Condensing) <45dB@1 Meter	
Interface	Smart RS232 USB SNMP(Optional)	Software supports windows family, Linux, Sun solaris, IBM aix, Compaq true64, SGI IRIX, FreeBSD, HP-UX and MAC Windows family and MAC OS Power management from SNMP manager and web browser	

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Specifications are subject to change without notice.



TIS. 1291 Part 1-2553
TIS. 1291 Part 2-2553
TIS. 1291 Part 3-2555