

เครื่องสำรองไฟฟ้า

CLEANLINE

UPS

True On-Line Double Conversion Design

T series
TR series



Tower and 19" Rack-mount Model

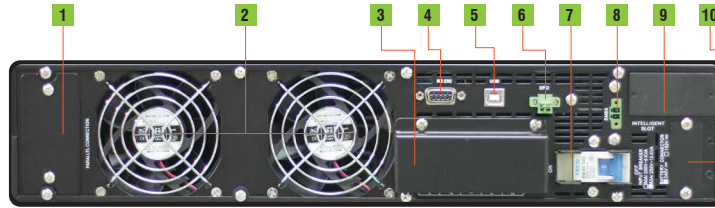
T-6000, TR-6000: 6kVA/6kW
T-10K, TR-10K: 10kVA/10kW

KEY Features:

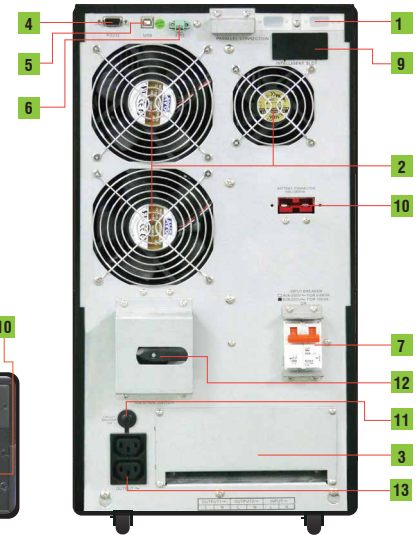
- True on-line double conversion design UPS
- DSP technology guarantees high performance
- Wide input voltage range 110-300Vac
- 50/60 Hz frequency converter mode
- MIMIC LCD for real-time UPS status display
- Auto self-testing system while turning on UPS
- ECO mode operation for energy saving
- Emergency 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**

True On-Line Double Conversion Design

1. Parallel Connection
2. Cooling Fan
3. Output Terminal
4. RS-232
5. USB
6. EPO
7. Input Breaker
8. Control Output Signal port
9. Intelligent Slot
10. Battery Connector
11. Output Breaker
12. Maintenance Bypass Switch
13. 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 ±20% at 100% load (±27% Option) 50 or 60Hz ±10% Single phase with ground >0.99 @ nominal voltage (100% 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 ±1% 50 or 60Hz ±0.1% (Battery mode) Auto transfer to UPS True on-line double conversion, Full digitized microprocessor controlled 3 : 1 ≤1% THD (Linear load), ≤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	IEC61000-4-5 Class 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 19" Rack-mount	592 x 250 x 576 600 x 438 x 88 (2U)	
Weight (kg)	Tower (with battery) 19" Rack-mount (without battery)	81 15	83 18
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 solarris, 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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TIS. 1291 Part 1-2553
 TIS. 1291 Part 2-2553
 TIS. 1291 Part 3-2555
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