

T series TR series



Tower and 19" Rack-mount Model

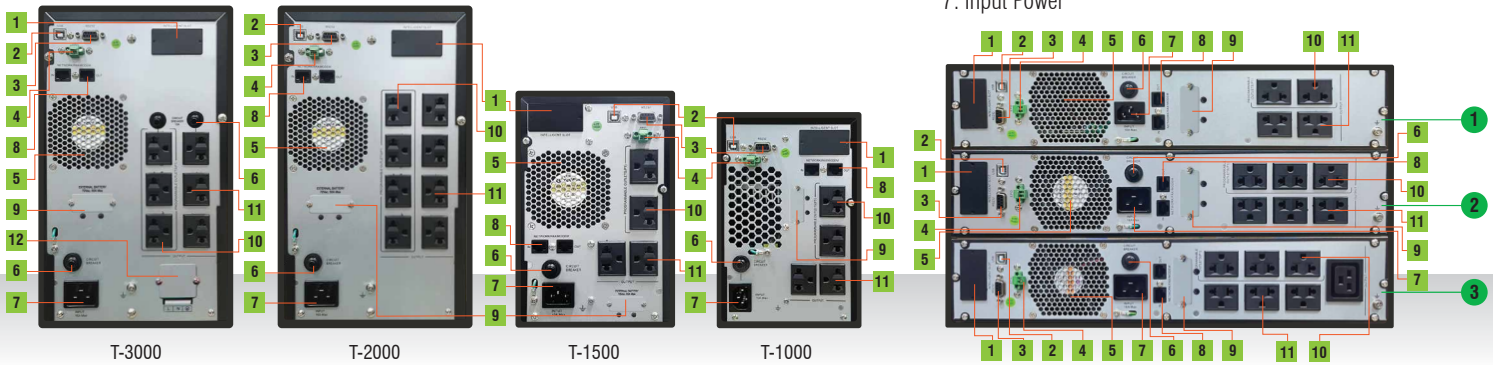
T-1000, TR-1000:	1000VA/1000W
T-1500, TR-1500:	1500VA/1500W
T-2000, TR-2000:	2000VA/2000W
T-3000, TR-3000:	3000VA/3000W



KEY Features:

- True on-line double conversion with 3-level inverter design UPS
- 100% digitized microprocessor controlled
- 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 outlets
- Selectable output voltage via LCD panel
- Cold start function
- Smart battery charger design to optimize battery performance
- Battery charger with temperature compensation technology
- Short circuit protection
- Lightning and surge protection
- Built-in USB and RS-232 communications port for management software
- Generator compatible
- **Optional external maintenance bypass switch**
- **Optional compatible with SNMP protocol**
- **UPS Monitoring and Controlling Software, Available for immediate download via the website**

1. Intelligent Slot
2. USB
3. RS-232
4. EPO
5. Cooling Fan
6. Circuit Breaker
7. Input Power
8. Network/Lan/Tel/Modem Surge Protection Port
9. External Battery
10. Programmable Outlets (P1)
11. Output Outlet
12. Output Terminal



19" Rack-mount (1 TR-1000, TR-1500, 2 TR-2000, 3 TR-3000)

TECHNICAL SPECIFICATION

Tower Model		T-1000	T-1500	T-2000	T-3000
19" Rack-mount Model		TR-1000	TR-1500	TR-2000	TR-3000
Power Rating		1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
Input	Voltage Frequency Phase Power factor	110-300Vac at 50% load, 160-300Vac at 100% load 50 or 60Hz ± 10% Single phase with ground >0.99 @ 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 ≤ 2% THD (Linear load), ≤ 4% THD (Non-linear load) Pure sinewave 0 ms			
Efficiency	AC mode Battery mode ECO mode	>92%	>93%	>93%	>94%
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 30 seconds and more than 130% at 1.5 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, Maintenance-free lead acid batteries 4 hours Self-test 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, Remaining backup time, 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	397 x 145 x 220 410 x 438 x 88 (2U)	397 x 145 x 242	421 x 190 x 318 550 x 438 x 88 (2U)	
Weight (kg)	Tower 19" Rack-mount	11.4 13.5	13.8 14.7	22.5 23	26.2 26.7
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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