

CLEANLINE

uninterruptible power supply
True On-Line Double Conversion Design



Tower and 19" Rack-mount Model

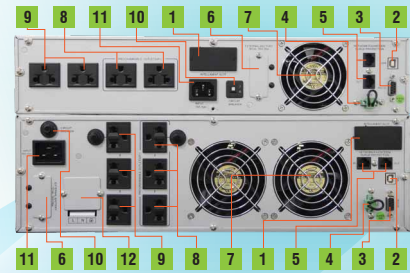
T-1000, TR-1000:	1kVA/800W
T-1500, TR-1500:	1.5kVA/1.2kW
T-2000, TR-2000:	2kVA/1.6kW
T-3000, TR-3000:	3kVA/2.4kW



KEY Features:

- True on-line double conversion design UPS
- 100% digitized microprocessor controlled
- Output power factor 0.8
- 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**

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



19" Rack-mount (TR-1000, TR-1500, TR-2000, 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	1kVA/800W	1.5kVA/1.2kW	2kVA/1.6kW	3kVA/2.4kW
Input	Voltage 110-300Vac at 50% load, 220Vac ±25% at 100% load (±27% Option) Frequency 50Hz ±10% Phase Single phase with ground Power factor >0.99 @ nominal voltage (100% Load)			
Output	Voltage 208/220/230/240Vac Voltage regulation ±1% Frequency 50 or 60Hz ±0.1% (Battery mode) Overload recovery Auto transfer to UPS UPS Design technology True on-line double conversion, Full digitized microprocessor controlled Crest factor 3 : 1 Harmonic distortion ≤2% THD (Linear load), ≤4% THD (Non-Linear load) Output waveform Pure sinewave Transfer time 0 ms			
Efficiency	AC mode >87%			>90%
	Battery mode >83%			>87%
	ECO mode >95%			
Protection and Filtering	Surge protection 220V (IEEE6100-4-5 level 3) Overload protection UPS Automatic bypass if overload between 110% to 130% at 30 seconds and more than 130% at 1.5 seconds Short circuit protection UPS Output cut off immediately or input fuse/circuit breaker protection			
Battery	Type Sealed, Maintenance-free lead acid batteries Typical recharge time to 90% 4 hours Management Self-test Battery protection Cut off without draining any current when battery is low Cold start (DC start) Yes Back up time 15-30 minutes (Depending on computer load) Expansion back up time 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 Sounding every 4 seconds Low battery Sounding every second Overload Sounding twice every second Fault Continuously sounding			
Dimension (DxWxH mm)	Tower 397 x 145 x 220			421 x 190 x 318
	19" Rack-mount 420 x 438 x 88 (2U)			580 x 438 x 133 (3U)
Weight (kg)	Tower 13		14	26
	19" Rack-mount 16		17	29
Environmental	Operating temperature 0-40 °c Relative humidity 0-95% (Non-Condensing) Noise level <45dB@1 Meter			
Interface	Smart RS232 Software supports windows family, Linux, Sun solaris, IBM aix, Compaq true64, SGI IRIX, FreeBSD, HP-UX and MAC USB Windows family and MAC OS SNMP(Optional) Power management from SNMP manager and web browser			

Authorized Distributor:



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