

CLEANLINE

uninterruptible power supply
True On-Line Double Conversion Design



Tower and 19" Rack-mount Model

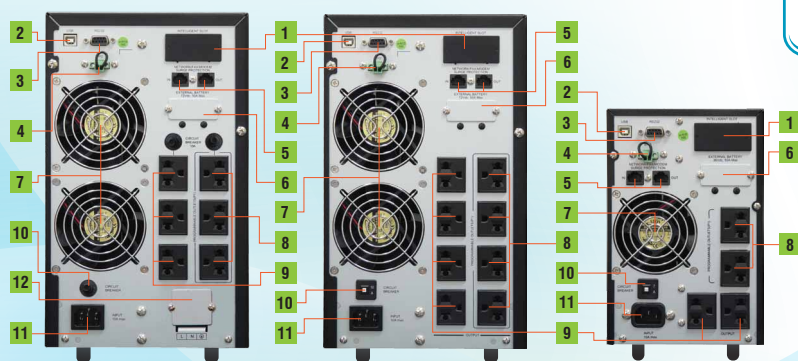
T-1000, TR-1000:	1kVA/800W
T-1500, TR-1500:	1.5kVA/1.2kW
T-2000, TR-2000:	2kVA/1.6kW
T-3000, TR-3000:	3kVA/2.4kW



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**

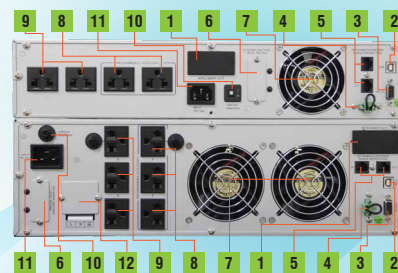
1. Intelligent Slot
2. USB
3. RS-232
4. EPO
5. Network/Lan/Tel/Modem Surge Protection Port
6. External Battery
7. Cooling Fan
8. Programmable Outlets (P1)
9. Outlets
10. Circuit Breaker
11. Input Power
12. Output Terminal



T-3000

T-2000

T-1500, T-1000



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 $\pm 25\%$ at 100% load ($\pm 27\%$ Option)			
	Frequency				
Output	Phase	Single phase with ground			
	Power factor				
	Voltage	208/220/230/240Vac			
	Voltage regulation				
	Frequency				
Efficiency	Overload recovery	Auto transfer to UPS			
	UPS Design technology				
	Crest factor				
	Harmonic distortion				
	Output waveform				
Protection and Filtering	Transfer time	0 ms			
	AC mode	>87%			
	Battery mode				
Battery	ECO mode	>95%			
	Type				
	Typical recharge time to 90%				
	Management				
	Battery protection				
Indicators	Cold start (DC start)	Yes			
	Back up time				
	Expansion back up time				
Audible Alarm	UPS status, Load level, Battery level, Input/output voltage, Remaining backup time, and Fault conditions	Sounding every 4 seconds			
	Battery mode				
	Low battery				
	Overload				
Dimension (DxWxH mm)	Status	Continuously sounding			
	Fault				
Weight (kg)	Tower	397 x 145 x 220			
	19" Rack-mount	421 x 190 x 318			
Environmental	Operating temperature	420 x 438 x 88 (2U)			
	Relative humidity	580 x 438 x 133 (3U)			
Interface	Noise level	0-40 °C			
	Smart RS232	0-95% (Non-Condensing)			
Interface	USB	<45dB@1 Meter			
	SNMP(Optional)	Software supports windows family, Linux, Sun solaris, IBM aix, Compaq true64, SGI IRIX, FreeBSD, HP-UX and MAC			
Interface	Windows family and MAC OS	Power management from SNMP manager and web browser			
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