

เครื่องสำรองไฟฟ้า

CLEANLINE[®]

UPS



True On-Line Double Conversion Design

Tower and 19" Rack-mount Model

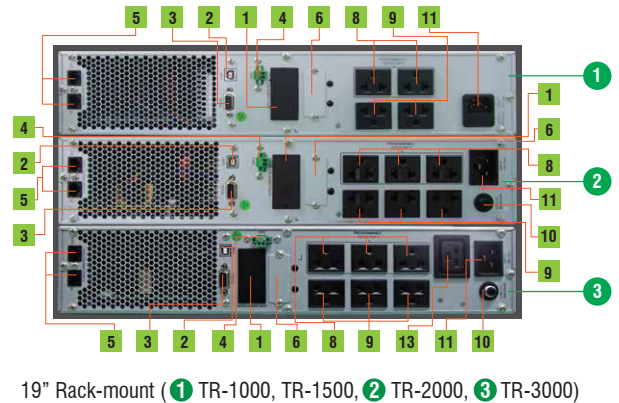
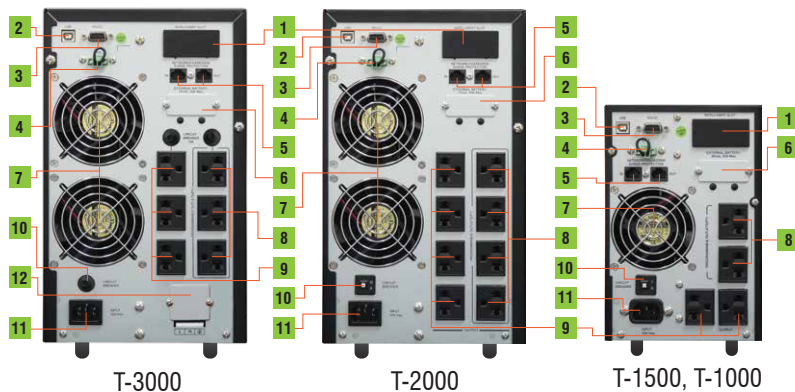
T-1000, TR-1000:	1kVA/900W
T-1500, TR-1500:	1.5kVA/1,350W
T-2000, TR-2000:	2kVA/1,800W
T-3000, TR-3000:	3kVA/2,700W



KEY Features:

- True on-line double conversion design UPS
- 100% digitized microprocessor controlled
- Output power factor 0.9
- 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. 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
13. Output Outlet



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		1kVA/900W	1.5kVA/1,350W	2kVA/1,800W	3kVA/2,700W
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	>90%		>91%	>90%
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 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 220 480 x 438 x 88 (2U)		421 x 190 x 318 600 x 438 x 88 (2U)	
Weight (kg)	Tower 19" Rack-mount	12.5 18.4	13.8 18.5	25.8 25.7	27 29
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			