

CLEANLINE[®] UPS

เครื่องสำรองไฟฟ้า

True On-Line Double Conversion Design



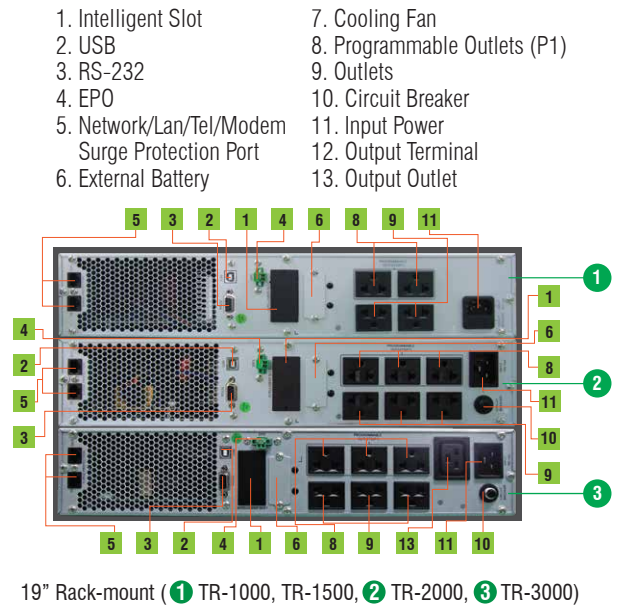
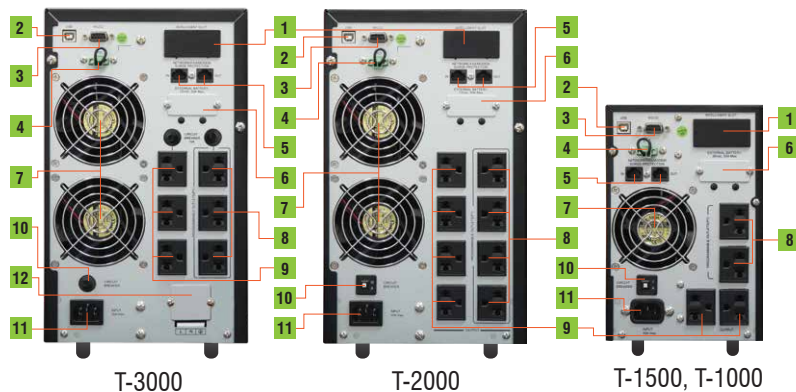
Tower and 19" Rack-mount Model

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**



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	110-300Vac at 50% load, 160-300Vac at 100% load			
	Frequency	50 or 60Hz $\pm 10\%$			
Output	Phase	Single phase with ground			
	Power factor	>0.99 @ nominal voltage (100% Load)			
Efficiency	Voltage	208/220/230/240Vac			
	Voltage regulation	$\pm 1\%$			
Protection and Filtering	Frequency	50 or 60Hz $\pm 0.1\%$ (Battery mode)			
	Overload recovery	Auto transfer to UPS			
Battery	UPS Design technology	True on-line double conversion, Full digitized microprocessor controlled			
	Crest factor	3:1			
Indicators	Harmonic distortion	$\leq 2\%$ THD (Linear load), $\leq 4\%$ THD (Non-Linear load)			
	Output waveform	Pure sinewave			
Audible Alarm	Transfer time	0 ms			
	Status	UPS status, Load level, Battery level, Input/output voltage, Remaining backup time, and Fault conditions			
Dimension (DxWxH mm)	AC mode	$>90\%$			
	Battery mode	$>89\%$			
Weight (kg)	ECO mode	$>97\%$			
	Tower	397 x 145 x 220			
Environmental	19" Rack-mount	480 x 438 x 88 (2U)			
	Tower	0-40 °C			
Interface	Relative humidity	0-95% (Non-Condensing)			
	Noise level	$<45\text{dB}@1$ Meter			
Smart RS232	Software supports windows family, Linux, Sun solaris, IBM aix, Compaq true64, SGI IRIX, FreeBSD, HP-UX and MAC	Software supports windows family, Linux, Sun solaris, IBM aix, Compaq true64, SGI IRIX, FreeBSD, HP-UX and MAC			
	Windows family and MAC OS	Windows family and MAC OS			
USB	Power management from SNMP manager and web browser	Power management from SNMP manager and web browser			
	SNMP(Optional)	Power management from SNMP manager and web browser			

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