



SmartNet Rack/Tower Series

800/1100/1500/2000/2500/3000

The SmartNet Rack/Tower Series UPS provides full power protection from power failure, spikes and surge with enhanced output power factor 0.8. Designed with easy-shift LCD panel and flexible rack/tower form factor, SmartNet R/T series has two (2) installation formats by floor-standing tower or in 19-inch rack enclosure. Furthermore, its hot-swappable battery design ensures clean and uninterruptible power to protect equipment during battery replacement, especially for the mission-critical applications requesting no interruption at all time.

Applications: Best Protection for Server Rooms, Telecom & Networking Applications, Surveillance & Security Systems, and Medical Applications.

Features:

- High-efficiency pure sinewave UPS
- User-friendly and easy-shift LCD display
- High flexibility with Rack/Tower design
- Output power factor 0.8
- Programmable power management outlets
- Eco mode operation for energy saving (ECO)
- Emergency Power Off (EPO)
- Smart microprocessor control guarantees high reliability
- Boost and Buck AVR for voltage stabilization
- Built-in USB communication port
- Built-in RS232 communication port supports SNMP adaptor
- for remote monitoring & control
- Intelligent slot allows SNMP card for remote power management



Line Interactive Sinewave UPS

Infinite Power in the Digital World

Rating from 800VA to 3KVA, SmartNet Rack/Tower Series provides server-grade full power protection from power failure, spikes and surge in small footprint. Designed in rack/tower form factor, it's flexible to fit into 19" rackmount or display on the desk. Compared to general Rack/Tower UPS, its user-friendly LCD panel design eases LCD rotation easily without hardware removal. This series is perfect for networking, telecom, server and mission-critical applications.



Battery replacement panel



● LCD Display Panel



Rack display



Tower display

● Easy-shift LCD display

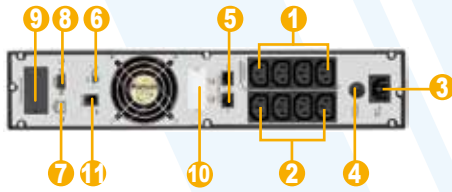
The digital display can be easily shifted through LCD setting to suit the installation format, vertically stand or flat wall mount.



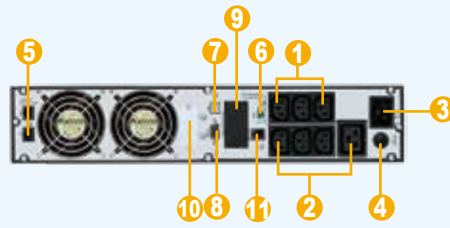
Rear Panel View

IEC Type

Smart Net 800/1100(L)/1500/2000(L) RT

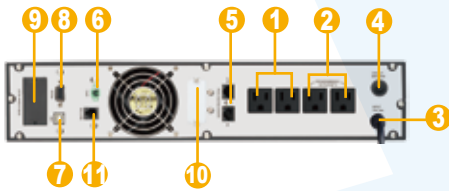


Smart Net 2500/3000(L) RT

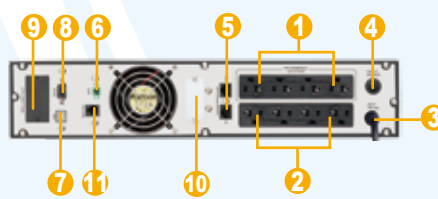


NEMA Type

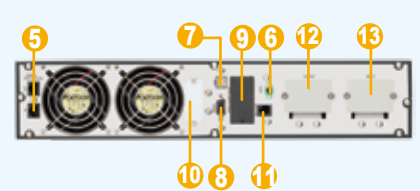
Smart Net 800/1100(L)/1500 RT



Smart Net 2000(L) RT



Smart Net 2500/3000(L) RT

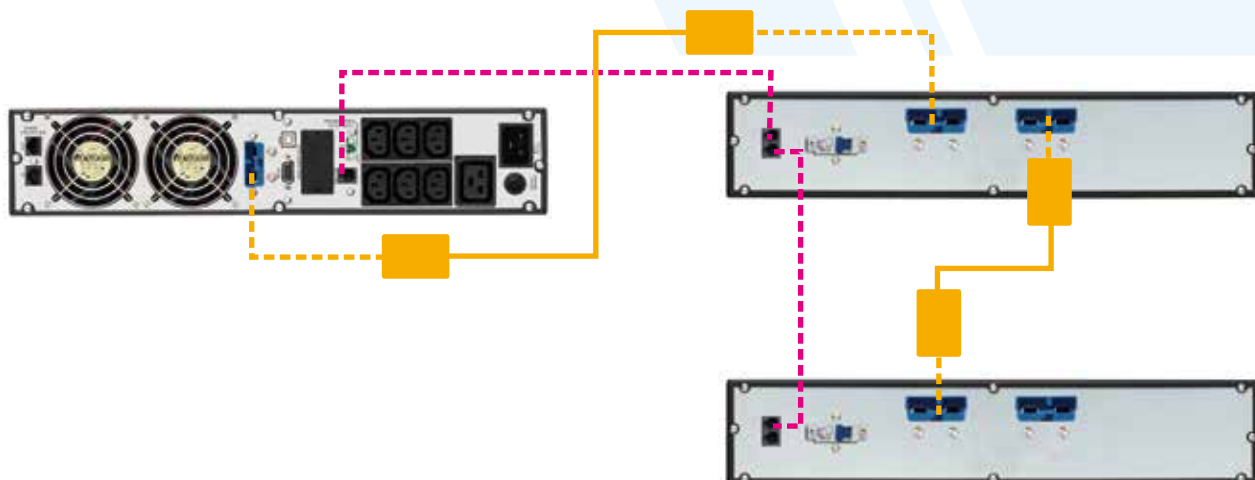


- 1 Programmable outlets : connect to non-critical loads
- 2 Output receptacle: connect to mission-critical loads
- 3 AC input
- 4 Input circuit breaker
- 5 Network/Fax/Modem surge protection
- 6 Emergency power off function connector (EPO)

- 7 USB communication port
- 8 RS-232 communication port
- 9 SNMP intelligent slot
- 10 External battery connector (only available for LRT model)
- 11 External battery pack numbers detection port
- 12 Input terminal
- 13 Output terminal

External Battery Connection

SmartNet LRT is equipped with external battery number detection port which can detect total connected external battery numbers. Below is the simple external battery connection chart. The maximum number for external battery packs is 4 units.



SMARTNET RACK/TOWER LINE INTERACTIVE SINEWAVE UPS SPECIFICATION

MODEL	NET-800RT	NET-1100(L)RT	NET-1500RT	NET-2000(L)RT	NET-2500RT	NET-3000(L)RT	
CAPACITY	800 VA / 640 W	1100 VA / 880 W	1500 VA / 1200 W	2000 VA / 1600 W	2500 VA / 2000 W	3000 VA / 2400 W	
INPUT							
Voltage	110/120 VAC or 208/220/230/240 VAC						
Acceptable Voltage Range	89 -145Vac / 120Vac or 162 - 268 Vac / 220 Vac						
Frequency Range	60/50 Hz (auto sensing)						
OUTPUT							
Voltage Regulation (Batt. Mode)	± 3 % (before battery alarm)						
Frequency Range (Batt. Mode)	50 Hz or 60 Hz ± 1 Hz						
Current Crest Ratio	3:1						
Harmonic Distortion	8% max @ 100% linear load, 15% max @ 100% non-linear load (before alarm)						
Transfer Time	Typical 2-6 ms, 10ms max.						
Waveform (Batt. Mode)	Pure Sine Wave						
EFFICIENCY							
ECO Mode	97%		97%		97%		
Buck & Boost Mode	90%		90%		90%		
Battery Mode	83%		85%		87%		
BATTERY							
RT Model	Type & Number	12 V/7 Ah x 2	12 V/9 Ah x 2	12 V/7 Ah x 4	12 V/9 Ah x 4	12 V/7 Ah x 6	12 V/9 Ah x 6
	Charging Voltage	27.4 VDC ± 1%		54.8 VDC ± 1%		82.1 VDC ± 1%	
	Typical Recharge Time	4 hours recover to 90% capacity					
LRT Model (w/o Batt.)	Charging Current (max.)	N/A	4A(default)/8A(max) @nominal Voltage	N/A	4A(default)/8A(max) @nominal Voltage	N/A	4A(default)/8A(max) @nominal Voltage
	Charging Voltage		27.4 VDC ± 1%		54.8 VDC ± 1%		82.1 VDC ± 1%
PROTECTION							
Full Protection	Overload, discharge, and overcharge protection						
INDICATORS							
LCD Display	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery						
ALARM							
Battery Mode	Sounding every 10 seconds						
Low Battery	Sounding every second						
Overload	Sounding every 0.5 second						
Battery Replacement Alarm	Sounding every 2 seconds						
Fault	Continuously sounding						
PHYSICAL							
RT Model	Dimension, DxWxH (mm)	380 x 438 x 88		480 x 438 x 88		600 x 438 x 88	
	Net Weight (kgs)	12.9	14.23	21.08	23.11	30.65	30.24
LRT Model (w/o Batt.)	Dimension, DxWxH (mm)	N/A	380 x 438 x 88	N/A	480 x 438 x 88	N/A	600 x 438 x 88
	Net Weight (kgs)		10.8		14		18
ENVIRONMENT							
Humidity	0-90 % RH @ 0- 40°C (non-condensing)						
Noise Level	Less than 45dB						
MANAGEMENT							
Smart RS-232/USB	Supports Windows [®] 2000/2003/XP/Vista/2008, Windows [®] 7/8, Linux, Unix, and MAC						
Optional SNMP	Power management from SNMP manager and web browser						

* Product specifications are subject to change without further notice



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