



Solutions behind the power



400~3000VA

UPS Capacity

162-290VAC

Input voltage

Typical 2–6 ms*

Transfer time

6–8 hours

to 90% capacity
recharge

<40 dB

Noise Level

60/50Hz

(auto sensing)
Frequency range

Smart AVR. Fast Transfer.

AVR Boost & Buck · 400–3000VA · 2–10ms transfer (model-dependent) · 6–8h recharge to 90% · Simulated sine wave

USB/RS-232 (opt.) · Modem/LAN surge protection · Cold-start · auto-restart · self-diagnostics · LCD/LED status · quiet <40 dB operation

Applications



Tower



Desktop



Printers



Home Server



CCTV



Access control



Emergency

LT1E is a compact line-interactive UPS with AVR Boost/Buck to correct under/over-voltage without draining the battery—ideal for small IT loads and home/office electronics. It adds cold-start, auto-charging even when OFF, auto-restart on mains return, and USB/RS-232 power-management options, plus Modem/LAN surge protection. Models with LCD are available for at-a-glance status.

**Performance may vary by configuration and environment.*

SCAN THE CODE
TO LEARN MORE



Key Features

- **AVR Boost and Buck**

Automatically corrects either under-voltage or over-voltage condition without unnecessary battery drain and extend the life of the battery.

- **Cold Start Function**

Aids users to turn on the UPS without connecting the Utility.

- **Smart RS232/USB Interface for Power Management**

Supports real-time power and UPS status monitoring. Automatic shutdown, schedule and many other advance power management functions. The RS232 & USB ports of 1.2kVA up can be enabled simultaneously.

- **Built-in Self-diagnostic Function**

May execute automatically upon power-on or software-control.

- **Auto-restart Function**

The UPS will be automatically re-started when Utility recovers.

- **Compatible with Generator Set**

LT1E series supports wide range input voltage to fit with various generator sets.

- **Models with LCD Display are Available Now**

With comprehensive graphic display, it provides easy read-out status of the UPS from the screen, such as input voltage, output voltage, load level, battery leve... etc..

- **Fastest Charging Capacity**

With built-in powerful charger, the UPS can be fully charged back to 90% in 6-8hours.

- **Auto Charging at Off Mode**

The battery may be charged continuously even though it is at OFF mode.

- **Modem/LAN Internet Protection**

Protects the Modem/LAN against spike or surge coming through network or telephone wires.

Alarms & Indicators

- AC mode, Battery mode, Fault (LED indicators)
- Audible alarms: on battery, low battery, overload, replace battery, fault

Physical & Environmental

- Operating temperature: 0–40°C; Humidity: 0–90% RH (non-condensing)
- Acoustic noise: typically <40 dB at 1 m
- Color: Black; Form factor: Mini-tower/Tower

Standards & Compliance

Designed to meet CE (EMC/LVD) and RoHS requirements; product markings and test reports depend on region and configuration.

Battery & Runtime

Internal VRLA (sealed lead-acid) batteries per table above. Typical recharge time 6–8 hours to 90%. Runtime depends on load, battery age, and temperature. External battery options are not typical for this class.

	LT1E				
Model	LT1E 600	LT1E 1000	LT1E 1500	LT1E 2000	LT1E 3000
25% Load	≈20-30 min	≈20-30 min	≈20-30 min	≈18-28 min	≈15-25 min
50% Load	≈8-12 min	≈10-15 min	≈12-18 min	≈10-15 min	≈8-12 min
75% Load	≈5-7 min	≈6-9 min	≈7-10 min	≈6-9 min	≈5-8 min
100% Load	≈3-5 min	≈4-6 min	≈4-7 min	≈4-6 min	≈3-5 min
Notes	New batteries, 25 °C	2×7 Ah	2×9 Ah	2×9 Ah	4×9 Ah

Note: Specifications are model-specific. Optionals (e.g., parallel kit, bigger charger, communications cards, accessories) are not supplied by default and vary by SKU/order.

Final deliverables and configurations are defined only by ATENCO's formal quotation and the customer's confirmed model/options.

LT1E Technical Specifications

	LT1E									
Model	LT1E 400	LT1E 600	LT1E 800	LT1E 1000	LT1E 1200	LT1E 1500	LT1E 2000	LT1E 2400	LT1E 3000	
Capacity	400VA	600VA	800VA	1000VA	1200VA	1500VA	2000VA	2400VA	3000VA	
INPUT										
Voltage	110/120 VAC or 220/230/240 VAC									
Voltage range	81-145 VAC / 162-290 VAC									
Frequency range	60/50 Hz (auto sensing)									
OUTPUT										
AC Voltage Regulation (Batt. Mode)	±10%									
Frequency Range(Batt. Mode)	60 Hz or 50 Hz ±1 Hz									
Transfer Time	Typical 2-6 ms, 10ms max.							Typical 10 ms, 13 ms max.		
Waveform (Batt. Mode)	Simulated Sine Wave									
BATTERY										
Battery Type & Number	12 V/4.5AH x 1	12 V/7AH x 1	12 V/9AH x 1	12V/7AH x 2	12 V/7AH x 2	12 V/9AH x 2	12 V/9AH x 2	12 V/7AH x 4	12 V/9AH x 4	
Typical Recharge Time	6-8 hours recover to 90% capacity									
INDICATORS										
AC Mode	Green LED lighting									
Battery Mode	Amber LED flashing					Green LED flashing				
Fault	Red LED lighting									
PROTECTION										
Full Protection	Overload and overcharge protection									
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										
Dimension (W x H x D) mm	101 x 142 x 298			149.3 x 162 x 338			158 x 198 x 380		213 x 145 x 436	
Net Weight (kg)	3.55	4.25	4.7	7.8	8	10.1	10.5	19.8	23	
OPERATING ENVIRONMENT										
Humidity	0-90 % RH @ 0- 40°C (non-condensing)									
Noise Level	Less than 40dB									
MANAGEMENT										
Optional USB/RS-232 Port	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC									



Disclaimer: Products are continuously improved and updated. As a result, actual product specifications may differ from promotional or technical materials due to asynchronous revisions. This document is provided for reference only and does not constitute an offer, warranty, or commitment.

