

## 650-2000VA Line Interactive UPS

Advanced Line Interactive uninterruptible power supply (UPS) system with microprocessor-based digital control for Home and Small Office use. Provides short-circuit and overload protection, voltage stabilization with AVR, intelligent battery management, and USB communication capability. Equipped with LED or LCD display for monitoring key functions, it supports automatic restart and safe shutdown in case of emergencies.



### COMPLETE APPLICATION PROTECTION



SOUND



SECURITY



NETWORKING



PC &amp; GAMING

POS & CASH  
REGISTER

TV

### GENERAL SPECIFICATIONS

- Short-circuit protection and overload protection
- Led display (A models) or LCD (AP models) display selectable for monitoring input / output voltage, battery level
- Microprocessor- based digital control
- Boost and buck AVR for voltage stabilization
- Auto sensing frequency
- Wide input voltage range
- Power-on self-test
- Cold start
- Auto restart when main power is restored
- Auto track mains phase to ensure that inverter output voltage has the same phase with utility voltage, reducing transfer time and peak surge
- Intelligent battery management: battery temperature compensation to extend the battery life; three-stage charging to shorten recharge time
- Automatic charging in OFF mode
- Optional no-load shutdown
- Optional USB communication port
- Unattended safety shutdown: system alarm and auto Power-off by USB interface communicating with PC
- Phone line / modem / fax protection\* (AP series)
- Free software for monitoring and managing the device, automatic save and safe shut down of the supported equipment\*(optional)

# LEO LED - LCD

LINE INTERACTIVE UPS **650-2000VA**



MODEL	LEO 650A/650AP	LEO 850A/850AP	LEO 1200AP	LEO 1500AP	LEO 2000AP
CODE	UPS.0781/ UPS.0785	UPS.0782/ UPS.0786	UPS.0787	UPS.0788	UPS.0790
Capacity	650 VA / 390 W	850 VA / 510 W8	1200 VA / 720 W	1500 VA / 900 W	2000 VA / 1200 W
INPUT					
Voltage	100/110/120 V :80~150 VAC; 220/230/240 V:162~295 VAC (145~295 VAC optional)				
Frequency Range	50/60 Hz ± 10% (auto sensing)				
OUTPUT					
Power Factor	0,6				
Voltage	100/110/120 VAC ±10% or 220/230/240 VAC±10%				
AC Voltage Regulation (Batt. Mode)	±10%				
Frequency Range (Batt. Mode)	50/60 Hz ±1% (auto sensing)				
Transfer Time	Typical 2-6 ms				
Waveform (Batt. Mode)	Simulated Sinewave				
Outlets	2 x Schuko		4 x Schuko		
DISPLAY (A/AP)					
	NO/YES	NO/YES	YES	YES	YES
USB (A/AP)					
	NO/YES	NO/YES	YES	YES	YES
BATTERY					
DC Voltage	12V		24V		
Battery Type & Number	12 V/7 Ah x 1	12 V 9 Ah x 1	12 V/7 Ah x 2	12 V/9 Ah x 2	
Typical Recharge Time	4-6 hours recover to 90% capacity, 6-8h recharge time				
ALARM					
Battery Mode	Sounding every 10 seconds				
Low Battery	Sounding every second				
Overload	Sounding every 0.5 second				
Fault	Continuously sounding				
PROTECTION					
Full Protection	Short circuit, battery overcharge, overdischarge, overload, surge protection				
PHYSICAL					
Dimension, D X W X H (mm)	305 x 90 x 165		320 x 115 x 220		
Net Weight (kgs)	4,2	4,9	8,2	10,4	11
ENVIRONMENT					
Humidity	20-90 % RH @ 0- 40°C (non-condensing)				
Noise Level	Less than 45dB				
MANAGEMENT					
Optional USB	Supports: Windows® 2000/XP/Vista/7/8/10, Linux, Unix, Mac OS				

\* All specs are subject to change without notice