

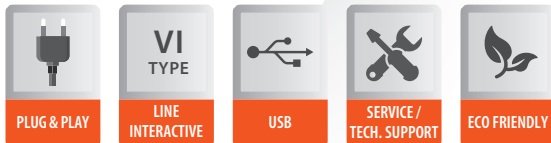
## LEO+

650-2200VA

LED/LCD Display Option

Microprocessor Control

Compact Size



LEO+ Line Interactive UPS is an uninterruptible power supply with microprocessor control and smart battery management system that can offer solutions especially for your home and office applications. It is available for your use with its small volume and stylish design, LED/LCD screen options, USB and RJ11 connection. It provides a safe usage opportunity thanks to high current, short circuit, overload, high battery charge/discharge protections.

## GENERAL SPECIFICATIONS

- Microprocessor-based digital control
- Boost and buck AVR for voltage stabilization
- Power-on self test
- Cold start
- Auto track mains phase to ensure that inverter output voltage has same phase with utility voltage, reducing transfer time and peak surge
- Auto restart when mains power is restored
- Intelligent battery management: battery temperature compensation to extend the battery life; three-stage charging to shorten recharge time
- Short circuit, battery overcharge / overdischarge, overload, surge protections
- Automatic charging in OFF mode
- Optional no-load shutdown
- Optional RS232 / USB communication port and RJ11 / RJ45 protection
- Unattended safety shutdown: system alarm and auto Power-On / Off by RS232 or USB interface communicating with PC

## TECHNICAL SPECIFICATIONS

MODEL	Leo+ 650VA	Leo+ 850VA	Leo+ 1200VA	Leo+ 1500VA	Leo+ 2200VA	
Capacity	650VA / 390W	850VA / 510W	1200VA / 720W	1500VA / 900W	2200VA / 1200W	
<b>INPUT</b>						
Voltage	100 / 110 / 120 V: 80 ~ 150 Vac; 220 / 230 / 240 V: 162 ~ 295 Vac (145 ~ 295 Vac optional)					
Frequency	50 / 60 Hz ± 10% (auto-sensing)					
<b>OUTPUT</b>						
Voltage	100 / 110 / 120 Vac ± 10% or 220 / 230 / 240 Vac ± 10%					
Frequency	50 / 60 Hz ± 1% (auto-sensing)					
Waveform	Mains mode: pure sine wave; Battery mode: simulated sine wave					
Protection	Typical 8 ms, 10 ms max.					
<b>BATTERIES</b>						
DC voltage	12V		24V			
Configuration	12V/7.0Ah x 1	12V/9.0Ah x 1	12V/7.0Ah x 2	12V/9.0Ah x 2	12V/9.0Ah x 2	
Recharge time	6 ~ 8 h					
<b>OTHERS</b>						
Protections	Short circuit - battery overcharge - overdischarge - overload - surge					
Communication	USB / RJ45 Modem protect					
Humidity	20 ~ 90% RH @ 0 ~ 40°C (non-condensing)					
Noise level	≤ 45 dB (1 m)					
Plastic case	Net / Gross weight (kg)	4.3 / 4.6	5.2 / 5.5	8.6 / 9.0	10.1 / 10.5	/
	Dimensions (HxWxD) (mm)	140x100x290		170x140x345		/
	Packaged dimensions (HxWxD) (mm)	210x139x335		210x139x335		/
Metal case	Net / Gross weight (kg)	/	/	/	/	12.9 / 13.3
	Dimensions (HxWxD) (mm)	/		/		225x125x380
	Packaged dimensions (HxWxD) (mm)	/		/		295x180x450