



800 - 5000 VA

LEO-SW SERIES

UNINTERRUPTIBLE POWER SUPPLIES

Line - interactive

GENERAL SPECIFICATIONS

- Pure sine wave
- User-friendly and easy-shift LCD display
- High flexibility with Rack/Tower design
- Output power factor 0.9
- Programmable power management outlets
- ECO (Efficiency Corrective Optimizer) operation for energy saving
- Excellent microprocessor control guarantees high reliability
- Boost and Buck AVR for voltage stabilization
- Hot-swappable battery design
- Multiple communications available





800 - 5000 VA

TECHNICAL SPECIFICATIONS

MODEL	LEO-SW 800VA	LEO-SW 1.1K(L)	LEO-SW 1.5K	LEO-SW 2K(L)	LEO-SW 2.5K	LEO-SW 3K(L)	LEO-SW 5K(L)		
Capacity	800 VA / 720 W	1100 VA / 990 W or 1100VA / 1000W	1500 VA / 1350 W	2000 VA / 1800 W	2500 VA / 2250 W	3000 VA / 2700 W	5000 VA / 4500 W		
INPUT									
Nominal voltage	110/115/120/127 VAC or 208/220/230/240 VAC						208/220/230/240 VAC		
Acceptable voltage range	81-152 VAC or 162-290 VAC						162-290 VAC		
Frequency Range	60/50Hz ±3Hz (auto sensing)								
OUTPUT									
Output voltage	110/115/120/127 VAC or 208/220/230/240 VAC						208/220/230/240 VAC		
Voltage regulation (batt. mode)	±1.5% (before battery alarm)								
Frequency Range (Batt. Mode)	50 Hz or 60 Hz ± 1 Hz								
Current Crest Ratio	3:1								
Harmonic Distortion	2% max @ 100% linear load, 5% max @ 100% non-linear load (before low battery alarm)								
Transfer Time	Typical 2-6 ms, 10ms max.								
Waveform (Batt. Mode)	Pure Sine Wave								
EFFICIENCY									
ECO Mode	97%								
Buck & Boost Mode	95%								
Battery Mode	up to 90%	up to 91%			up to 92%				
BATTERY									
Standard model	Batt. type & number	12V/7 Ahx2	12 V/9 Ahx2	12 V/7 Ahx4	12 V/9 Ahx4	12 V/7 Ahx6	12 V/9 Ahx6	12 V/10 Ahx6	
	Charging current (max.)	1.5 A							
	Charging voltage	27.4 VDC ± 1%		54.8 VDC ± 1%			82.1 VDC ± 1%		
	Typical recharge time	3 hours recover to 90% capacity							
Long-run model	Charging Current (max.)	N/A	1A/2A/4A/6A/8A	N/A	1A/2A/4A/6A/8A	N/A	1A/2A/4A/6A/8A	1A/2A/4A/6A/8A	
	Charging Voltage	N/A	27.4 VDC ± 1%	N/A	54.8 VDC ± 1%	N/A	82.1 VDC ± 1%	82.1 VDC ± 1%	
INDICATORS									
LCD Display	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery								
PROTECTION									
Full Protection	Overload, discharge, and overcharge protection								
Protection against overvoltages	320 joules								
ALARM									
Battery mode	Sounding every 10 seconds								
Low Battery	Sounding every 2 seconds								
Overload	Sounding every second								
Fault	Continuously sounding								
PHYSICAL									
Standard model	Dimension, DxWxH (mm)	410 x 438 x 88		510 x 438 x 88		630 x 438 x 88			
	Net Weight (kg)	12,9	13,4	19,5	21,5	27,7	29,3	40	
Long-run model	Dimension, DxWxH (mm)	N/A	410 x 438 x 88	N/A	410 x 438 x 88	N/A	110/115/120/127 VAC: 510 x 438 x 88 208/220/230/240 VAC: 410 x 438 x 88	630 x 438 x 88	
	Net Weight (kg)	N/A	9	N/A	10,8	N/A	110/115/120/127 VAC: 13.9 208/220/230/240 VAC: 11.9	22	
ENVIRONMENT									
Operating 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/2008/7/8, Linux, Unix, and MAC								
Optional SNMP	Power management from SNMP manager and web browser								