800 - 5000 VA

LEO-SW SERIES
UNINTERRUPTIBLE POWER SUPPLIES

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
<table>
<thead>
<tr>
<th>Capacity</th>
<th>LEO-SW 800VA</th>
<th>LEO-SW 1.1K(L)</th>
<th>LEO-SW 1.5K</th>
<th>LEO-SW 2K(L)</th>
<th>LEO-SW 2.5K</th>
<th>LEO-SW 3K(L)</th>
<th>LEO-SW 5K(L)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>800 VA / 720 W</td>
<td>1100 VA / 990 W or 1100VA / 1000W</td>
<td>1500 VA / 1350 W</td>
<td>2000 VA / 1800 W</td>
<td>2500 VA / 2250 W</td>
<td>3000 VA / 2700 W</td>
<td>5000 VA / 4500 W</td>
</tr>
</tbody>
</table>

#### 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%

- **Battery Mode:**
  - up to 91%

- **Battery Mode:**
  - up to 92%

#### BATTERY
- **Standard model:**
  - Batt. type & number: 12 V/7 Ah x 2
  - Charging current (max.): 1.5 A
  - Charging voltage: 27.4 VDC ± 1%
  - Typical recharge time: 3 hours recover to 90% capacity

- **Long-run model:**
  - Charging Current (max.): N/A
  - Charging Voltage: 27.4 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
  - Net Weight (kg): 12.9

- **Long-run model:**
  - Dimension, DxWxH (mm): N/A
  - Net Weight (kg): 9

#### ENVIRONMENT
- **Operating Humidity:**
  - 0-90% RH @ 0- 40°C (non-condensing)

#### 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