

# Lev-UPS™ Strip Uninterruptible Power Supplies



U0320-SKO  
SIDE VIEWS

U0320-SKO

2 YEAR LIMITED  
**WARRANTY**

## Definition

Leviton's newest Lev-UPS™ Strip models offer up-to-the-minute technology at an affordable price, making them ideal for home, general commercial and industrial applications.

They are off-line (standby) units, only called into use once power falls beneath a preset voltage level. After power is restored, they automatically transfer back to use of utility power and recharge their battery. Transfer to and from battery power takes place in less than 8/1000's of a second, fast enough to prevent most equipment from ever perceiving this transition.

Both models come with Leviton's "Lev-WARE™" power-monitoring & UPS-control software at no additional cost as well as basic AC and communication line surge protection. Six outlets (3 backed-up and surge protected and 3 surge protected only) with power adapter spacing provide protection for primary equipment, peripherals and accessories.

These units also have a "self-protection" feature that prevents misuse by imposing a 5 second delay between successive power-ups. Various alarms and indicators advise users on system status. A re-settable circuit breaker also protects against overload and short-circuit conditions.

---

## Features & Benefits

- Lev-WARE power monitoring & UPS control software
- 6 outlets (3 UPS + surge & 3 surge only) with power adapter spacing
- AC and data-line surge protection
- Microprocessor controlled operation
- 50/60Hz Frequency auto-sensing
- Advanced battery management
- Auto self-test mode
- Overload and short circuit protection
- User-replaceable battery
- LED indicators and audible alarms
- Wall or floor mounting

## Applications

- Computers and Peripherals
- Phone and Communication Systems
- Home Automation and Entertainment
- Electronic Cash Registers & Point-of-Sale Equipment
- Internet Access Terminals

## Agency Standards & Compliance

- UL 1778 & cUL Listed
- FCC Compliant
- ISO 9001 Certified

## Warranty\*

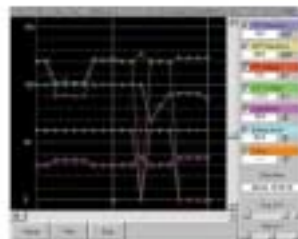
- 2-year product warranty on parts, labor and battery
- Connected equipment warranty—\$40,000 for U0320-SKO & \$60,000 for U0520-SKO

\*Please see the complete Lev-UPS™ warranty for details.

---

# Lev-WARE™ Power Monitoring & UPS Control Software

- Advises on UPS status
- Monitors power disturbances
- Allows manual or automatic implementation of a controlled shutdown
- Indicates battery level
- Indicates utilized capacity
- Allows the auto test sequence to be initiated
- Provides real-time graphic displays of the above



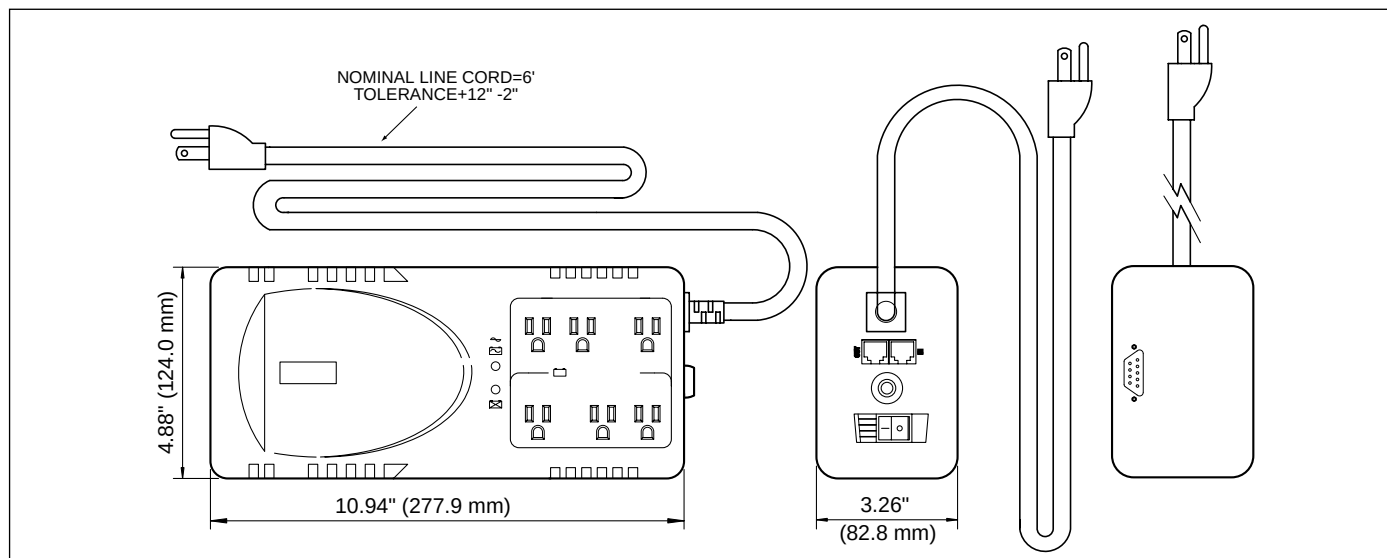
## Specifications

|                            |                           | Model                                                                                                                                                                                                                                                     |                                    |
|----------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
|                            |                           | U0320-SKO<br>320VA/192W                                                                                                                                                                                                                                   | U0520-SKO<br>520VA/312W            |
| Output                     | Capacity                  | 320VA/192W                                                                                                                                                                                                                                                |                                    |
|                            | Voltage (on battery)      | 120VAC +/-10%, Simulated sine wave                                                                                                                                                                                                                        |                                    |
|                            | Frequency                 | 50 or 60Hz +/-3%                                                                                                                                                                                                                                          |                                    |
|                            | Transfer Time             | 4 milliseconds typically                                                                                                                                                                                                                                  |                                    |
| Input                      | Voltage                   | 120V -20%+10%                                                                                                                                                                                                                                             |                                    |
|                            | Transfer Voltage          | Under-voltage: 98V typically. Over-voltage: 132V typically                                                                                                                                                                                                |                                    |
|                            | Frequency (on battery)    | 50 or 60Hz +/-10% (auto sensing)                                                                                                                                                                                                                          |                                    |
| Protection and Filtering   | Transient Protection      | Response time: < 5nsec. Tested to ANSI/IEEE C62.45 performance evaluation standards. Wave forms – Per IEEE C62.41: Normal mode – 6kV 1.2/50µseconds, 500A 8/20µseconds, combination wave. Common mode – Category A & B ring wave tr = 0.5µseconds, 100kHz |                                    |
|                            | EMI/RFI Filter            | 10dB at 0.15MHz, 50dB at 30MHz                                                                                                                                                                                                                            |                                    |
|                            | Output                    | Short circuit cut-off                                                                                                                                                                                                                                     |                                    |
|                            | Tel/Fax/Modem             | Single line (2 wires, RJ45) or network                                                                                                                                                                                                                    |                                    |
|                            | 10Base-T Cable Port       | (UPT, RJ45) compatible jacks.                                                                                                                                                                                                                             |                                    |
|                            | Input                     | Circuit breaker                                                                                                                                                                                                                                           |                                    |
| Battery (user replaceable) | Type                      | Sealed, maintenance-free, lead acid                                                                                                                                                                                                                       |                                    |
|                            | Recharge Time             | 6 hours typically (to 90% of full capacity)                                                                                                                                                                                                               |                                    |
|                            | Protection                | Automatic self-test and discharge protection, replace battery indicator                                                                                                                                                                                   |                                    |
|                            | Life Expectancy           | 3–6 years dependent on number of discharge cycles and ambient temperature                                                                                                                                                                                 |                                    |
|                            | Recommended Model         | CSB HR 1214W                                                                                                                                                                                                                                              | CSB HC 1221W                       |
|                            | Back-Up Time              | Up to 20 minutes                                                                                                                                                                                                                                          | Up to 30 minutes                   |
| Physical                   | Net Weight lbs (kg)       | 7.7 (3.5)                                                                                                                                                                                                                                                 | 11 (5)                             |
|                            | Ship Weight lbs (kg)      | 9.25 (4.2)                                                                                                                                                                                                                                                | 12.56 (5.7)                        |
|                            | Dimensions ins (mm) WxDxH | 10.9 x 4.8 x 3.3 (278 x 124 x 83)                                                                                                                                                                                                                         | 10.9 x 4.8 x 4.6 (278 x 124 x 118) |
|                            | Input Cable               | Hardwired                                                                                                                                                                                                                                                 |                                    |
|                            | Output Receptacles        | NEMA 5-15R (120V)                                                                                                                                                                                                                                         |                                    |
| Alarms                     | Battery Back-Up           | Slow beeping sound (Once every 4 secs.)                                                                                                                                                                                                                   |                                    |
|                            | Battery Low               | Rapid beeping sound (Once every second)                                                                                                                                                                                                                   |                                    |
| Communication              | RS-232 Interface          | Bi-Directional communication port                                                                                                                                                                                                                         |                                    |
| Environment                | Ambient                   | 10,000 ft. max. elevation, 0-95% humidity non-condensing +32 to 104°F (0 to 40°C)                                                                                                                                                                         |                                    |
|                            | Audible Noise             | <40dBA (1 meter from surface)                                                                                                                                                                                                                             |                                    |
|                            | Storage                   | 45,000 ft max. elevation                                                                                                                                                                                                                                  |                                    |
| Conformance                | Safety Listings           | UL1778 (UPS), CUL107.1, FCC/DIC Class B                                                                                                                                                                                                                   |                                    |

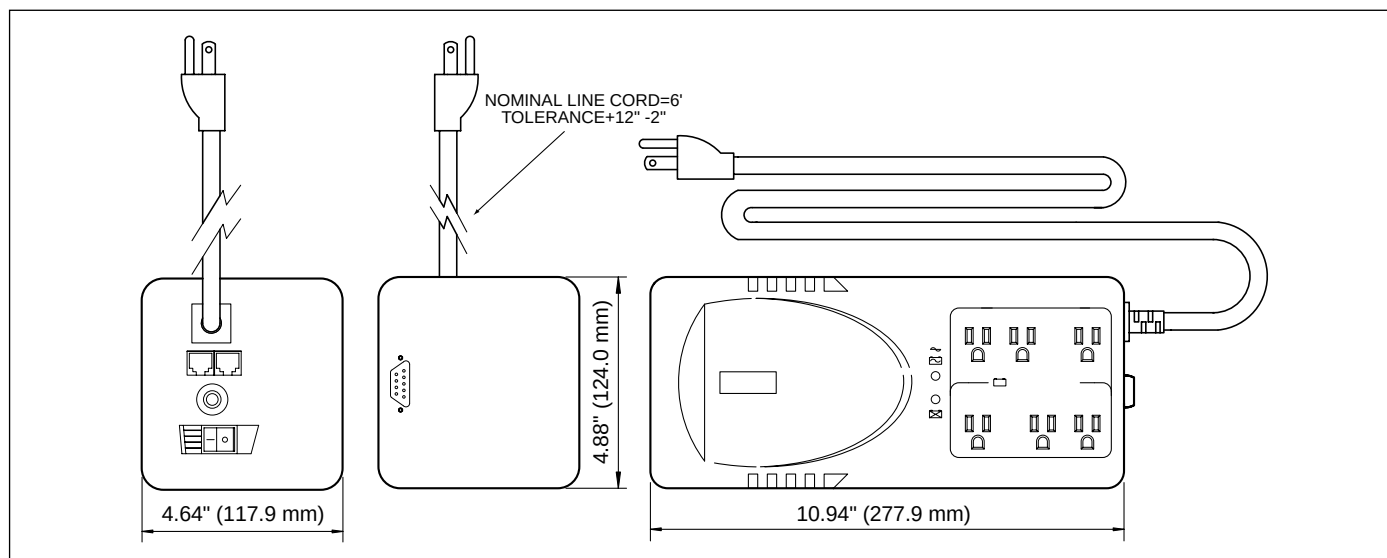
## Back-Up Times (In Minutes)

| Load VA/Watts | U0320-SKO<br>320VA/192W | U0520-SKO<br>520VA/312W |
|---------------|-------------------------|-------------------------|
| 75/45         | 19                      | 28                      |
| 150/90        | 8                       | 17                      |
| 320/192       | 3                       | 7                       |
| 500/300       | —                       | 3                       |

## Dimensional Drawings



**U0320-SKO**



**U0520-SKO**

## Ordering Information

| Cat. No.  | Color    | Pack Qty | Description                                                                                                                    |
|-----------|----------|----------|--------------------------------------------------------------------------------------------------------------------------------|
| U0320-SKO | Charcoal | 6        | Off-Line, Simulated Sine Wave, 320VA, 6 Outlets (3 outlets surge protected, 3 outlets backed-up and surge protected), Software |
| U0520-SKO | Charcoal | 6        | Off-Line, Simulated Sine Wave, 520VA, 6 Outlets (3 outlets surge protected, 3 outlets backed-up and surge protected), Software |



### Leviton Manufacturing Co., Inc. – Power Quality Division

860 Harold Place, Chula Vista, CA 91914  
Telephone: 1-800-648-3332 • FAX: 1-877-711-8135

### Leviton Manufacturing of Canada, Ltd.

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9  
Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

Visit Leviton's Web site at [www.leviton.com](http://www.leviton.com)

