



# SL 350

Slim Line UPS

350 VA  
200 Watts

## Owner's Manual

April 2017

**Important Safety Instructions**  
**(This information should be saved for future reference.)**

CAUTION: This UPS has internal batteries which create a risk of electrical shock. Hazardous live parts inside this UPS are electrically energized from the batteries even when the input AC power is disconnected.

CAUTION: There are no user serviceable parts inside this product. Do not remove the cover. The batteries are not to be replaced by untrained persons.

CAUTION: This product contains a non-isolated battery supply. The battery circuit is not isolated from the AC power input. Hazardous voltage may exist between battery terminals and ground. Remove watches, rings or other metal objects when dealing with potential electrical charges. Use tools with insulated handles.

WARNING: This product is intended for use in a controlled environment. Exposure to heat and / or moisture can cause damage or fire. The maximum ambient temperature in which this equipment may be safely installed is 104 degrees F. Do not expose the unit to significant physical impact or vibration.

CAUTION: Do not dispose of any batteries, those included with this UPS or others, in fire. The batteries may explode. Do not open or mutilate any batteries. Doing so may cause serious personal injury to skin and eyes.

**CAUTION**

This product has a dangerous amount of voltage. If the UPS power indicator is ON, the unit's outlets may have a dangerous amount of voltage even if the UPS is not plugged into the wall.

Install this product only indoors in a controlled environment free from electrically conductive particles.

Install only near an easily accessible power outlet. Locate connected equipment near the UPS. Disconnect the UPS by removing the power cord and turning off the power button when safe access to the UPS is desired.

All service must be conducted by trained personnel who have access to this document.

## Package Contents

You should be receiving the following items in the package:

- UPS unit enclosed in protective plastic wrapping
- Power cord (3 ft) with right angle plug
- UPS monitoring software
- User Manual

## Product Introduction

**Please read this manual before installing, using or connecting the SL-350 UPS.** It has important information that should be followed to protect the UPS and batteries and to provide for personal safety.

If you experience a problem with this equipment, please refer to the Troubleshooting section in this manual, look for additional information on the Juice Goose web site or contact Juice Goose directly.

## Product Overview

The SL-350 UPS uses advanced lithium battery technology to accomplish a light weight and thin profile. That makes this UPS well suited for installation in small spaces previously impractical for ordinary UPS designs. In addition to battery power support, the SL-350 provides 312 Joules of protection from AC power surges and spikes.

The SL-350 is designed to be used with a detachable power cord. A three foot cord with a right angle plug is provided with the unit. Should a different length or style of cord be needed for a particular installation or application one can be purchased at-large and installed into this UPS. That cord should have a NEMA 5-15P plug as well as a female IEC style connector to attach to the UPS.

This UPS has a power rating of 200 watts (350 VA). With that size electrical power load connected and with the UPS batteries fully charged, in the event of a utility power failure (“blackout”) the unit will provide continuous electric power for approximately six minutes. The amount of time power is available increases as the connected load decreases.

Status of the SL-350 UPS can be monitored using the provided software loaded on a PC or laptop connected to the UPS via a USB cable. The USB cable is not provided with this unit. Read further for additional details.

## Installation and Startup

**Before installation, inspect the unit and packaging for damage. Do not connect if damaged. Do not attempt to repair the unit.**

### Connecting and Charging

Before initial use of the UPS. Plug the UPS input cord (provided or purchased) into the UPS and into a wall outlet. Turn the UPS on using the power button on the chassis. To completely charge the batteries the UPS should be charged for at least 8 hours before use. The UPS charges its batteries while it is connected to AC utility power and the power switch is on.

### Connecting and Powering Loads

Plug equipment to be powered by the SL-350 into output receptacles on the UPS. That equipment will not receive power unless the UPS is turned on. To turn it on push the On / Off power button. When pushed again, that button will also turn off power to the outlets.

## Indicators and Alarms

Condition	Visual LED	Audible Alarm
Utility Power	Always Illuminated	No
Battery Power	Every 10 Seconds	Every 10 Seconds
Low Battery Condition	Every 1 Second	Every 1 Second
Fault	Always Illuminated	Continuous
Over Temperature	Every 0.5 Seconds	No

## Troubleshooting

Symptom	Possible Cause	Solution
No LED display on UPS	Low battery power	Charge the UPS at least 8 hours
	Battery fault	Contact Juice Goose for service
	UPS not on	Press power button to turn on
Alarm sounds continuously when AC input is normal	Power load connected to UPS is too great	Disconnect some equipment powered by the UPS
	UPS fault	Contact Juice Goose for service
Alarm sounds every 2 seconds when AC input is normal	Battery fault	Contact Juice Goose for service
	Charging circuit is damaged	Contact Juice Goose for service
Battery run time is short	Power load connected to UPS is too great	Disconnect some equipment powered by the UPS
	Low battery power	Charge the UPS at least 8 hours
	Battery fault	Contact Juice Goose for service
LED is blinking when AC input is normal	Power cord is loose	Reconnect input power cord

**UPS LED Does Not Display, No Power Output** - In this case make sure the UPS batteries are fully charged. Allow the unit to charge for eight hours without a load on the UPS. Make sure the power button has been pushed to turn on the unit. If neither step solves the problem contact Juice Goose.

**Battery Run Time Is Short** - The strength of the battery power supply can be tested by unplugging the unit from the wall while a load of a known size is connected. The SL-350 should provide power for at least six minutes. If it does not, remove the connected equipment, plug the unit into wall power and charge the batteries for approximately eight hours. If that does not increase battery run time contact Juice Goose.

**Alarm Sounds or LED Blinks** - Under normal operations the power LED on the unit should be on continuously and there should be no sound from the UPS. If that is not the case, consult this manual for indications of probable causes. In the event of a blackout the LED and audible alarm will occur every ten seconds. Any other visible or audible alarm is an indication of a fault with either the batteries or the UPS. In that case

1. make note of the specific alarm indication
2. turn off the UPS and unplug it
3. contact Juice Goose.

## Specifications

SL-350  
UPS

Capacity.....350VA, 200 Watts

### Input

Voltage.....120 VAC

Frequency.....50 or 60 Hz

### Output

Voltage.....120 VAC

Waveform (Battery).....Simulated sine wave

Frequency.....50 or 60 Hz. Same as input

Voltage Surge Protection.....300 Joules

### Battery

Type.....Lithium Iron Phosphate (LiFePo4)

Style.....18650

Quantity.....8

Run time.....6 mins. full load, 14 mins. half load

Surge Protection.....312 Joules, Line - Neutral

### Physical

Dimensions (inches).....6.9W x 8.5D x 1.25H

Weight (lbs).....3.4

### Line Cord (provided)

3 foot, C13 (IEC) to 5-15P right angle (NEMA)

Receptacles.....3 x 5-15R (NEMA)

### Environment

Temperature.....32 to 104 degrees F

Humidity.....0 to 90 % RH

Altitude.....11,500 feet over sea level

RoHS Compliance.....Yes

Warranty...3 years electronics and battery (USA and Canada)

Communications.....USB

## Warranty Policy

Whitenton Industries, Inc, dba JUICE GOOSE, warrants as the only warranty that products shall display freedom from defects in materials and workmanship when operated under normal use and service subject to the "Limitations and Conditions" listed below, for THREE YEARS from the original purchase date of the unit. This date shall be the date on which the unit was purchased from a commercial retail business. If during this warranty period a defect should occur, the product may be repaired or replaced at the option of JUICE GOOSE. This warranty is transferable to a repurchaser for the period stated above. The warranty holder shall pay the cost of returning the unit to JUICE GOOSE or its designated repair location. JUICE GOOSE shall pay the cost of returning the unit to the warranty holder by normal ground parcel delivery.

Limitations and Conditions: The above warranty applies to all products of JUICE GOOSE and all components thereof with the exception of model JG Junior and any circuit board mounted electronic components which shall be warranted for ONE YEAR from the purchase date of the unit.

Even though JUICE GOOSE has tested each product, under no circumstances shall JUICE GOOSE, or any person involved in the creation, production and distribution of these products be liable for any damages, including any lost profits, lost savings or other direct, indirect, special, incidental or consequential charges even if JUICE GOOSE or an authorized JUICE GOOSE dealer has been advised of the possibility of such damage, or any claim or claims by other parties. In particular, JUICE GOOSE shall have no liability for any programs or data stored in equipment powered by JUICE GOOSE products nor liability for lost revenues related directly or indirectly to the operation of JUICE GOOSE products.

JUICE GOOSE does from time to time act as a sales agent or distributor for products manufactured by other companies and sold with other brand names. Warranty policies and terms for such products are not within the control of JUICE GOOSE and are not covered by the above statement. See the actual warranty policy of individual manufacturers for details.

The warranty and remedies set forth above are exclusive and in lieu of all others, oral or written, expressed or implied. No JUICE GOOSE dealer, agent or employee is authorized to make modification, extension or addition to this warranty.

This warranty policy was effective as of April 2016 and applies to the product purchased with this document. Products purchased after that time may be covered by other warranty policies. Contact Juice Goose for current warranty information.

## Contact Information

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