



SSL-3736-2

Two-Bay Battery Charger Operator Manual



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1. INTENDED USE

The SSL-3736-2, 2-bay battery charger is intended to charge 2054-style, smart, li-ion battery packs supplied by Sunoptic Technologies®.

2. WARNINGS

- Upon initial receipt and before each use, inspect each battery and charger for damage. Do not attempt to charge a damaged battery. Do not attempt to operate the charger if the cord and/or plug appear to be damaged, such as cuts, bent pins or contacts, and/or cracks.
- Do not expose the charger to heat, fire, or mechanical shock.
- Place the charger in a cool spot, away from any heat sources.
- Do not use this equipment in the presence of a mixture containing flammable anesthetic and/or air or oxygen or nitrous oxide.
- Do not sterilize, immerse, or expose the charger, or power supply to water, solvents, lubricants, or other chemicals to clean the charger unless otherwise directed. Do not allow water to collect in the bays or on top of the charger. Do not allow water to enter the power connection on the back of the charger. Keep clean and dry.
- Do not short-circuit, crush, open, shred, incinerate, or dismantle the charger or the power supply brick.
- The charger does not have serviceable parts. Contact Sunoptic Technologies® for replacement instructions.
- Do not modify or change the power cord. The power cord should be plugged into a hospital grade outlet.
- Do not bend the power cord forcibly or place a heavy object on it. This will damage the cord and may cause fire or electrical shock.
- Use only the charger and charger accessories as intended.
- Do not operate the charger at a different voltage than what is listed on the unit and in this Instructions for Use.
- Unplug the power supply from the wall socket during extended periods on non-use. Disconnect the power plug by pulling from the plug housing and not the cord.
- If the charger or the battery generates excessive heat, becomes discolored, emits an odor, or leaks disconnect the power cord from the wall socket immediately.

3. TECHNICAL SPECIFICATIONS

Item	Specification
Input	24V $\overline{\text{---}}$ 2.5A max
Output	16.8V $\overline{\text{---}}$ 3.3A max
Operating Temperature	41°F to 95°F (5°C to 35°C)
Storage Temperature	14°F to 140°F (-10°C to 60°C)
Operating Humidity	10% to 90%
Storage Humidity	5% to 95%
Dimension (without battery adaptor)	(LxWxH) 8.9in x 3.7in x 6.1in
Weight (without battery adaptor)	1.35lbs
Regulatory Approvals	UL listed and CE
Water Resistant	Not Protected Equipment, IPX0

4. BATTERY CHARGING INSTRUCTIONS

Place the charger on a stable surface. Plug the output connector of the external AC/DC power supply into the DC input located on the rear of the charging station. Then plug the external AC/DC power supply into an AC outlet.

The charge process will start after inserting a battery pack into the slot. The charge indication will be displayed (see Table 1).

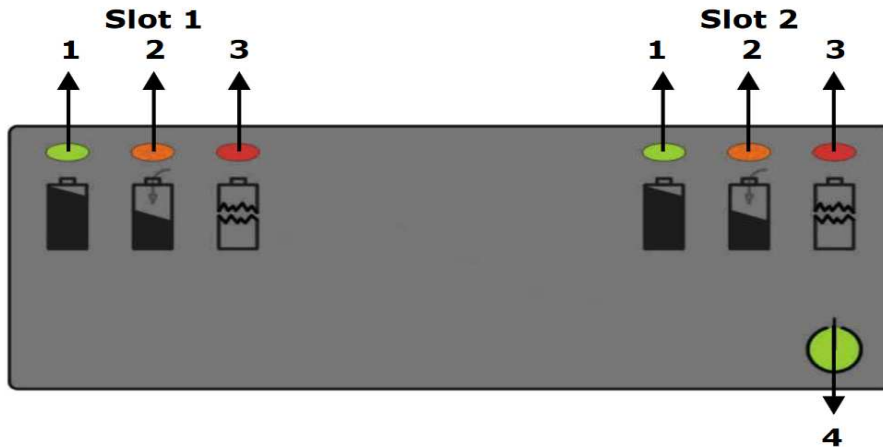


Figure 1. Indication Display

LED Indicator	Charging Condition
None	Off-Mode / Battery is not installed
Green on (4)	Charger is being supplied power
Green on (1)	Charging is completed
Orange on (2)	Charging in process
Blinking Orange on (2)	Standby mode (due to abnormal temperature)
Red on (3)	Abnormal charge mode (due to defective battery pack)
Blinking Red (3)	Defective charger mode

Table 1. LED Indicator Legend
Refer to Figure 1 for Display Map

NOTE:

- If a red LED is lit on a bay, the battery of the corresponding bay should be removed from the charger and its contacts checked. Install the battery pack again. If the red LED illuminates again, remove the battery pack from the charger and contact Sunoptic Technologies for service.
- The unit will become warm during normal operation. This does not indicate a malfunction.
- Prevent metallic objects from coming into contact with the metal parts of the DC plug of the power supply. If this happens, a short may occur and the unit may be damaged.
- Ensure the battery has proper orientation before insertion. Do not attempt to force a battery into the slot as this may damage the contacts.

5. CLEANING INSTRUCTIONS

- Disconnect the Charger from the power source.
- Clean the exterior of the charger with a cloth that has been dampened (not dripping) using a hospital disinfectant. Follow applicable hospital protocols during cleaning and dry immediately.

6. DISPOSAL/RECYCLE

- In accordance with the European Waste from Electrical and Electronic Equipment (WEEE) directive, we encourage our customers to recycle this product whenever possible. Disposal of this unit must be performed in accordance with the applicable local environmental regulations.
- In the US a list of recyclers in your area can be found at: <http://www.eiae.org/>.
- Please contact our Repair Department to issue a return authorization to return product to manufacturer at the end of product life.

7. TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSES/SOLUTIONS
Battery not charging	<ul style="list-style-type: none">• Ensure charger power cord is plugged in to the AC power outlet.• Ensure DC connector is plugged into the back of the charger• Ensure battery is properly seated in the charger bay.• If repeated attempts to charge the battery have failed, the battery may be faulty. Replace the battery.• The charger may have a faulty power cord and/or power brick. Replace the power cord and/or power brick.
Charger LED indicator not working	<ul style="list-style-type: none">• Ensure charger power cord is plugged in to the AC power outlet.• Ensure battery is properly seated in the charger bay.• The charger may have a faulty power cord and/or power brick. Replace the power cord and/or power brick.







8. LIMITED WARRANTY

Your 2-bay battery charger carries a 3-years warranty from the date of shipment on workmanship and all defects of material except batteries. Should your product prove to have such defects within three years from the date of shipment, **Sunoptic Technologies®** will repair or replace the product or component part without charge. Should your 2-bay battery charger need servicing under this warranty, please contact **Sunoptic Technologies®** for return authorization documentation. You should carefully pack product in a sturdy carton and ship it to the factory. Please include a note describing the defects, your name, telephone number and a return address. Warranty does not cover equipment subject to misuse, accidental damage, and normal wear and tear. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

POST WARRANTY REPAIRS: You may return your product(s) for repair, shipping prepaid to the factory. Your product will be inspected and an estimate of repair charges will be submitted to you for approval. Payment must be received before repairs are completed.

- In the U.S call: 877 667-2832 (toll free)
- Customer Service 904 737-7611

9. SYMBOLOGY

GRAPHIC	DESCRIPTION
	Indicates suitability for direct current only.
	Caution, consult accompanying documents
	Certifies that the electromagnetic interference from the device is under limits approved by the Federal Communications Commission.
	Consult Instructions for Use
	CE mark
	Not for disposal in general waste