

## **BATTERY CHARGER**

**For charging SPORTS-LITE training kits**  
DO NOT USE WITH ANY OTHER PRODUCTS,  
ONLY FOR USE WITH THE ABOVE.

### Operating Instructions

This manual covers the following SPORTS-LITE charger product codes:

LSPL/CHARGER150  
LSPL/4WAYCHARGER150  
LSPL/5WAYCHARGER150  
LSPL/6WAYCHARGER150

**READ THESE INSTRUCTIONS BEFORE USING THE CHARGER**

[www.sports-lite.co.uk](http://www.sports-lite.co.uk)



**This charger is designed to be connected to SPORTS-LITE products only. It will ensure peak performance from your equipment.**

PRODUCT CODE	INPUT VOLTAGE	POWER	OUTPUT	DIMENSIONS (L x W x H)	WEIGHT
LSPL/CHARGER150	100V to 240V AC 50/60Hz 1.0A MAX	45W	29.4V 1.5A	114 x 51 x 33mm	0.22Kg
LSPL/4WAYCHARGER150	100V to 240V AC 50/60Hz 2.0A MAX	180W	29.4V 1.5A x 4	340 x 188 x 45mm	2.25Kg
LSPL/5WAYCHARGER150	100V to 240V AC 50/60Hz 2.5A MAX	225W	29.4V 1.5A x 5	420 x 188 x 45mm	2.76Kg
LSPL/6WAYCHARGER150	100V to 240V AC 50/60Hz 3.0A MAX	270W	29.4V 1.5A x 6	500 x 188 x 45mm	3.28Kg

**BEFORE USE PLEASE READ THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL, AND CHECK THE CHARGER RATING LABEL.**

## FEATURES

- Choice of 1, 4, 5 or 6-way chargers
- Short-circuit protection
- Reverse polarity protection
- Rated IP20

## OPTIONS

- Multi-bank versions - 4, 5, 6 way charging
- UK / EU / US input connectors (others available)

## WARNINGS

- Charge only in a ventilated area.
- AC input only - see rating label on adaptor for details.
- Disconnect AC mains supply before connecting or disconnecting the mains adaptor from the SPORTS-LITE unit.
- If the AC power lead is damaged the appliance should not be used until the power lead is replaced.

- If the plug supplied with this appliance is cut from the power supply cord so that another plug can be fitted it must be disposed of safely, as if such a plug is inserted in a mains outlet the cut end of the cable would present a shock hazard.
- Batteries may emit explosive gas mixture – prevent flames and sparks.
- For indoor use only – do not expose to rain or moisture.
- Do not attempt to recharge non-rechargeable batteries; they may explode.
- Use only with SPORTS-LITE products.

## **CHARGING AND DISCHARGING**

Your Sports-LITE mobile lighting system comes with a single charger or the optional 4, 5 or 6 multi-bank chargers. All chargers work identically, the multi-bank chargers gives the added versatility of a single wall plug.

All charger types allow a wide voltage input range of 100 – 240V AC, please check your local supply is within this range before connecting the charger to your mains outlet.

The single charger uses a figure of 8 mains input cable, multiple country mains input plug types can be catered for and provided for on request. Please ask your distributor or Ritelite (Systems) Ltd.

The multi-bank mains chargers use a 3 pin IEC C13 cable to mains plug depending on country. This product must have a 3 wire mains connection including an earth/grounding.

# OPERATION

It is good practice to keep your batteries fully charged ready for use.



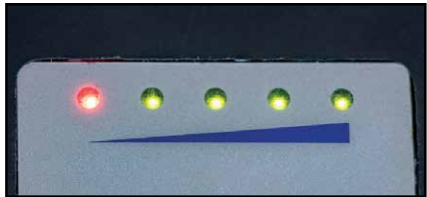
**1.** Check the battery is turned off, then connect your battery coupler to the charger output plug.



**2.** Switch the mains supply on to the charger. The power should only be turned on after the battery has been connected to the charger with the battery turned off.



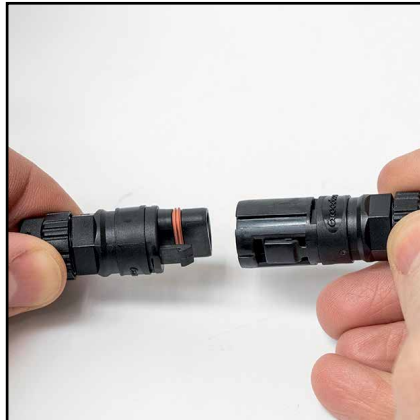
**3.** After turning on the mains power to the charger the charger indication light will glow red. The state of charge (SOC) can be seen on the battery itself as it charges up. Note you may need to turn the battery display on with the circular button on the battery.



**4.** Charging from empty will take approximately 6 hours. Once charged the state of charge indicator on the battery will show all status LED's lit (one red and four green). The status LED on the charger will show green.



**5.** Batteries are fully charged when green lights show on both the battery AND the charger display.



**6.** Once charged first disconnect the mains supply to the charger at the wall socket, then disconnect all batteries. Batteries can be left on charge indefinitely as the charger manages the charge without overcharging. For best results ensure batteries are fully charged within 24 hours prior to use. Turn the battery display off once charging is complete.

## IN USE

Your Sports-LITE battery will show its state of charge (SOC) via the 5 LED display on the battery.

When the battery is disconnected from the charger and the power on button pressed the LED's will show the charge level, the single red (power on LED) and four green LED's indicate the battery is fully charged at 100%.

As the battery discharges the green LED indicators will gradually go out. When the red LED indicator shows, the battery is low and those relying on the light should finish the task in hand so they aren't suddenly left in darkness. At 5% SOC the red LED will flash.

When the battery is completely exhausted no LED's will show until the battery is placed on charge again.

When in use it is a good idea to monitor the state of charge periodically to be aware of the approximate time you may have left in use. Be aware of the light required for the time it takes to finish the task in hand and pack away.

## BATTERY CARE

For advice on how to look after your lithium batteries to maximise life and performance please visit [www.ritelite.co.uk/lithium-battery-care/](http://www.ritelite.co.uk/lithium-battery-care/) or scan the QR code to the right.



**LITHIUM BATTERY CARE**

## IMPORTANT

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire, which is coloured blue, must be connected to the terminal, which is marked with the letter N or coloured black.
- The wire, which is coloured brown, must be connected to the terminal, which is marked with the letter L or coloured red.
- The wire, which is, coloured green or green and yellow must be connected to the terminal in the plug, which is marked with the letter E or by the earth symbol or coloured green or green and yellow.

- If the fuse fails in the appliance it must be replaced with a fuse of the same value-in case of difficulty consult the supplier.
- If the supply cable of this appliance is damaged, it must only be replaced by a repairer appointed by the manufacturer because special tools are required. There are no user serviceable parts in the charger.

**If you have any doubts about the connector, the use, or application of the charger please contact Ritelite (Systems) Ltd:**

**Tel. +44 (0) 1780 758585 | E-mail. [sales@ritelite.co.uk](mailto:sales@ritelite.co.uk)  
[www.ritelite.co.uk](http://www.ritelite.co.uk)**

## **MAINS ADAPTOR OPTIONS**

**SINGLE MAINS CHARGER**



**LSPL/CHARGER150**

**4-WAY MAINS CHARGER**



**LSPL/4WAYCHARGER150**

**5-WAY MAINS CHARGER**



**LSPL/5WAYCHARGER150**

**6-WAY MAINS CHARGER**



**LSPL/6WAYCHARGER150**



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