INSTRUCTIONS FOR

JUMP STARTER POWER PACK LITHIUM (LiFePO4)

MODEL NO: SL2S

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.





first use



Warning!



Caution: risk of electric shock



DO NOT expose to rain



Indoor use only Class II charger



Use in a well



Keep away ventilated area from sparks and flame -

battery could emit explosive gases



Wear eve protection



Wear protective gloves



Warning: corrosive substance

SAFETY

Modern vehicles contain extensive electronic systems.

You are required to check with the vehicle Manufacturer, for any specific instructions regarding the use of this type of equipment on each vehicle.

No liability will be accepted for damage / injury, where this product is not used in accordance with all instructions.

- WARNING! RISK OF ELECTRIC SHOCK OR FIRE.
- Read the entire manual before using this product. Failure to do so could result in serious injury or death.
- This booster and charger are not intended for use by children. Persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, must be given supervision or instruction concerning the use of the product by a person responsible for their safety. Children should be supervised to ensure they do not play with the booster or charger.
- **DO NOT** put fingers or hands into any of the unit's outlets.
- DO NOT expose the unit to rain or snow.
- The appliance is to be used only with the power supply unit provided with the appliance.
- Use only recommended attachments. Use of an attachment not recommended or sold by Sealey may result in a risk of fire, electric shock or injury to persons or damage to property.
- To reduce the risk of damage to the electric plug or cord, pull by the adaptor rather than the cord when disconnecting the unit.
- DO NOT operate the unit with damaged cables or clamps.
- DO NOT operate the unit if it has received a sharp blow, been dropped or otherwise damaged in any way; take it to a qualified service person.
- DO NOT disassemble the unit; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock
- WARNING! RISK OF EXPLOSIVE GASES.

WORKING IN THE VICINITY OF A LEAD-ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL OPERATION. IT IS IMPORTANT THAT YOU FOLLOW THESE INSTRUCTIONS EACH TIME YOU USE THE

- To reduce the risk of a battery explosion, follow these instructions and those published by the battery manufacturer and the manufacturer of any equipment you intend to use in the vicinity of the battery. Review the cautionary markings on these products and
- DO NOT set the unit on flammable materials, such as carpeting, upholstery, paper, cardboard, etc.
- Never place the unit directly above battery being jumped.
- **DO NOT** use the unit to jump start a vehicle while charging the internal battery.
- 1.1. PERSONAL PRECAUTIONS
 - WARNING! RISK OF EXPLOSIVE GASES. A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK NEAR THE BATTERY:
 - **NEVER** smoke or allow a spark or flame in the vicinity of a battery or engine.
 - Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead-acid battery. A lead-acid battery can produce a short-circuit current high enough to weld a ring to metal, causing a severe burn.
 - Be extra cautious, to reduce the risk of dropping a metal tool onto the battery. It might spark or short-circuit the battery or other electrical part that may cause an explosion.
 - **DO NOT** permit the internal battery of the unit to freeze. Never charge a frozen battery.
 - To prevent sparking, NEVER allow clamps to touch together or contact the same piece of metal.
 - Consider having someone nearby to come to your aid when you work near a lead-acid battery.

- ✓ Have plenty of fresh water, soap and baking soda nearby for use, in case battery acid contacts your eyes, skin, or clothing.
- Wear complete eye and body protection, including safety goggles and protective clothing. Avoid touching your eyes while working near the battery.
- If battery acid contacts your skin or clothing, immediately wash the area with soap and water. If acid enters your eye, immediately flood the eye with cold running water for at least 10 minutes and get medical attention right away.
- If battery acid is accidentally swallowed, drink milk, the whites of eggs or water. DO NOT induce vomiting. Seek medical attention immediately.
- ✓ Neutralize any acid spills thoroughly with baking soda before attempting to clean up.
- This product contains a lithium ion battery. In case of fire, you may use water, a foam extinguisher, Halon, CO2, ABC dry chemical, powdered graphite, copper powder or soda (sodium carbonate) to extinguish the fire. Once the fire is extinguished, douse the product with water, an aqueous-based extinguishing agent, or other non alcoholic liquids to cool the product and prevent the battery from reigniting. NEVER attempt to pick up or move a hot, smoking, or burning product, as you may be injured.
- 1.2. ELECTRICAL SAFETY (with respect to mains chargers)
 - **WARNING!** It is the user's responsibility to check the following:

You must check the AC adaptor to ensure that it is safe before using. You must inspect the power supply lead, plugs and all electrical connections for wear and damage.

You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We recommend that an RCD (Residual Current Device) is used with all electrical products.

It is particularly important to use an RCD with portable products that plug into an electrical supply not protected by an RCCB. If in doubt consult a qualified electrician. You can obtain a Residual Current Device through your Sealey stockist.

You must read and understand instructions concerning electrical safety.

- 1.2.1. The *Electricity At Work Act 1989* requires all portable electrical appliances, if used on business premises, to be tested by a qualified person, using a Portable Appliance Tester (PAT), at least once a year.
- 1.2.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of the appliance and the safety of the appliance operator. If in any doubt about electrical safety, contact a qualified electrician.
- 1.2.3. **DO** ensure that the insulation on all cables and the product itself is safe before connecting to the mains power supply.
- 1.2.4. **DO** ensure that cables are always protected against short circuit and overload.
- 1.2.5. **DO** regularly inspect power supply, leads, plugs for wear and damage and power connections to ensure that none is loose.
 - DO check product voltage is the same as power supply to be used and check that all fused plugs are fitted with the correct capacity fuses.

2. INTRODUCTION

Powered by lithium-ion technology and fully protected against reverse charging and overload. A dedicated 12V jump starter pack that benefits from being lightweight but still provides high power output. Digital display gives step by step instructions. Capable of starting an average 5ltr petrol or 3.6ltr diesel engine. Features safe start protection with a sixty second cool down period between start attempts. Li-ion batteries have numerous advantages over lead acid, including a flat discharge curve, this ensures a greater extended performance and holds the charge for up to five times longer with high energy density levels giving more battery power per gram. The high power lithium battery coupled with two USB (5V/2.1A) outlets, can also supply up to ten full charges for smart phones and mp3 players or two full charges for your tablet. Supplied with automatic maintenance charger that featuresdedicated lithium charging algorithms and Patented Microprocessor controlled Speed Charging, with thermal runaway protection.Includes a 12V port to be used with accessory socket adaptor supplied. The unit can act as a memory saver during vehicle diagnostics (also requires VS2073 for details visit www.sealey.co.uk).

3. SPECIFICATION

Model no:	SL2S
Starting current:	540A
Voltage:	12V
Auxiliary output:	2 x USB - 5V/2.1A
Cable & clamp length:	508mm
Size (W x D x H):	290 x 125 x 190mm
Weight:	3kg
Maximum starting capacity:	Petrol 5L, diesel 3.6L
Capacity: 24000mAh	@ 3.2V, 6000mAh @ 12.8V
Peak amps:	A008800A

4. PREPARATION

- WARNING! RISK OF CONTACT WITH BATTERY ACID. BATTERY ACID IS A HIGHLY CORROSIVE SULPHURIC ACID.
- 4.1. Make sure the area around the battery is well ventilated while the unit is in use.
- 4.2. Clean the battery terminals before using the jump starter. During cleaning, keep airborne corrosion from coming into contact with your eyes, nose and mouth. Use baking soda and water to neutralize the battery acid and help eliminate airborne corrosion. **DO NOT** touch your eyes, nose or mouth.
- 4.3. Determine the voltage of the battery by referring to the vehicle owner's manual and make sure that the output voltage is 12V.
- 4.4. Make sure that the unit's cable clamps make tight connections.

5. CONNECTION TO A BATTERY

- WARNING! A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK NEAR THE BATTERY.
- 5.1. Attach the output cables to the battery and chassis as indicated below. Never allow the output clamps to touch each other.
- 5.2. Position the DC cables to reduce the risk of damage by the bonnet, door and moving or hot engine parts. NOTE: If it is necessary to close the bonnet during the jump starting process, ensure that the bonnet does not touch the metal part of the battery clips or cut the insulation of the cables.
- 5.3. Stay clear of fan blades, belts, pulleys and other parts that can cause injury.

- Check the polarity of the battery posts. The POSITIVE (POS, P, +) battery post usually has a larger diameter than the NEGATIVE 5.4. (NEG, N, -) post.
- Determine which post of the battery is earthed (connected) to the chassis. If the negative post is earthed to the chassis (as in most 5.5. vehicles), see step 5.6. If the positive post is grounded to the chassis, see step 5.7.
- For a negative-grounded vehicle, connect the POSITIVE (RED) clamp from the Power Pack to the POSITIVE (POS, P, +) post of 5.6. the battery. Connect the NEGATIVE (BLACK) clamp to the vehicle chassis or engine block away from the battery. DO NOT connect the clamp to the carburettor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the chassis or engine block.
- For a positive-earthed vehicle, connect the NEGATIVE (BLACK) clamp from the Power Pack to the NEGATIVE (NEG, N, -) 5.7. post of the battery. Connect the POSITIVE (RED) clamp to the vehicle chassis or engine block away from the battery. DO NOT connect the clamp to the carburettor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the chassis or
- When disconnecting the unit, press the jump start button to turn off, remove the clamp from the vehicle chassis, then remove the 5.8. clamp from the battery terminal.

FEATURES



- 1. 12V 3-pin socket for recharging
- 2. 12V DC port
- 3. USB ports
- 4. Battery clamps
- 5. 12V/USB/Language button
- 6. Charging LED indicator
- 7. Digital display
- 8. Jump Start button
- 9. 230V/50Hz charger
- 10. 12V DC car charger
- 11. 12V port adaptor

7. CONTROL PANEL

7.1. **DIGITAL DISPLAY**

When the clamps are connected to a vehicle's battery, the digital display indicates the battery's voltage. When not connected to a battery, the digital display is used to indicate the percent of charge of the jump starter's internal battery. See Display Messages for a complete list of messages.

NOTE: If the vehicle's battery voltage is too low to detect, the display will remain blank; the voltage will not display. A manual start procedure is required to enable the jump start function. See Section 9.2, Starting a Battery with Low Voltage.

NOTE: During charging, the display will go into sleep mode and will not display any messages. To turn the display back on, press any button

LED INDICATOR

Green LED solid – The internal battery is charging.

Green LED flashing - Charging has aborted.

Green LED pulsing - The internal battery is fully charged.

FUNCTION BUTTONS 12V/USB/LANGUAGE -

Enables the 12V DC port and the USB ports.

Press button for 5 seconds to select the language on the display: $\mathsf{EN} \to \mathsf{DE} \to \mathsf{FR}$



JUMP START - Enables the jump start function

8. CHARGING INTERNAL BATTERY

IMPORTANT! CHARGE IMMEDIATELY AFTER PURCHASE, AFTER EACH USE AND EVERY 3-6 MONTHS, TO KEEP THE INTERNAL BATTERY FULLY CHARGED AND PROLONG BATTERY LIFE.

- WARNING! To reduce the risk of electric shock, unplug the unit's charger from the outlet before attempting any maintenance or cleaning. Simply turning off the controls will not reduce this risk.
- 8.1. When charging the internal battery, work in a well ventilated area and **DO NOT** restrict the ventilation in any way.
- 8.2. CHECKING THE LEVEL OF THE INTERNAL BATTERY
- 8.2.1. To check the internal battery charge level, make sure the unit is turned OFF, then press the \$\frac{1}{2}\$ or button. The digital display will show the battery's percent of charge. A fully charged internal battery will read 100%. Charge the internal battery if the display shows it is under 100%.
- 8.3. CHARGING THE INTERNAL BATTERY USING THE SUPPLIED AC CHARGER
 - □ WARNING! Use only the charger included with the unit to charge the internal battery. Using any other charger will damage the unit.
- 8.3.1. Plug the AC charger into the unit's 12V input socket (3 PIN connector), see fig.6.1.
- 8.3.2. Connect the charger to a 230 VAC electrical wall outlet.
- 8.3.3. The green LED on the charger will light, and the display will show CHARGING-XX%. Complete charging may take 6-8 hours.
- 8.3.4. When the internal battery is completely charged, the green LED will pulse, and the display will show FULLY CHARGED.
- 8.3.5. When the battery is fully charged, disconnect the charger from the AC socket, and then unplug the charger from the unit.
- 8.3.6. Charge the unit as soon as possible after use.
- 8.4. CHARGING THE INTERNAL BATTERY WHILST DRIVING
- 8.4.1. You may also charge the internal battery while driving, using the 12V DC car charger (included).
- 8.4.2. Make sure the car is running.
- 8.4.3. Plug the 12V DC adaptor cable into the unit's 12V input socket.
- 8.4.4. Insert the other end of the accessory cable into the vehicle's accessory outlet (lighter socket).
- 8.4.5. The green LED will light, and the display will show *CHARGING-XX*%. Complete charging may take 6-8 hours.
- 8.4.6. When the internal battery is completely charged, the green LED will pulse, and the display will show *FULLY CHARGED*.
- 8.4.7. When the battery is fully charged, disconnect the accessory cable from the unit, then from the lighter socket of the vehicle.
- 8.4.8. Charge the unit as soon as possible after use.
 - NOTE: Completely disconnect the charger cable when the engine is not running.

9. OPERATION

9.1. **JUMP STARTING A VEHICLE ENGINE**

IMPORTANT: DO NOT use the jump starter while charging its internal battery.

IMPORTANT: Using the jump starter without a battery installed in the vehicle will damage the vehicle's electrical system.

- 9.1.1. Turn the ignition OFF.
- 9.1.2. Lay the DC cables away from any fan blades, belts, pulleys and other moving parts.
- 9.1.3. Plug the battery clamp cable into the jump starter's input socket.
 - NOTE: Make sure all of the vehicle's electrical devices are turned off.
- 9.1.4. For a negative earthed vehicle (as in most vehicles), connect the unit's POSITIVE (RED) clamp to the POSITIVE (POS, P, +) battery post. Next, connect the NEGATIVE (BLACK) clamp to the vehicle chassis or engine block, away from the battery.
- 9.1.5. For a positive earthed vehicle, connect the NEGATIVE (BLACK) clamp to the NEGATIVE (NEG, N, -) battery post. Next, connect the POSITIVE (RED) clamp to the vehicle chassis or engine block away from the battery.
- 9.1.6. After a proper connection has been made, press the unit button. When the display shows *JUMP START READY*, the jump starter is ready for use
- WARNING! RISK OF EXPLOSION.
- 9.1.7. If you have connected the clamps backwards, an audio alarm will sound, and the display will show **WARNING- CLAMPS REVERSED**. Press the button to turn off the unit. Reverse the connections. Press the button to turn the unit back on.
- 9.1.8. Crank the engine. If the engine does not start within 5-8 seconds, stop cranking and wait at least 1 minute before attempting to start the vehicle again. The display will show BATTERY COOL DOWN 60 SEC REMAINING. When the display shows JUMP START READY, the jump starter is ready for use.
- 9.1.9. After the engine starts, press the 🖦 button to turn the unit off. Disconnect the black clamp (-) and then the red clamp (+), in that order.
- 9.1.10. Recharge the unit as soon as possible after each use.
- 9.2. STARTING A BATTERY WITH A LOW VOLTAGE
- 9.2.1. If the vehicle's battery voltage is too low for the jump starter to detect that the clamps are connected, there is a manual start procedure to enable the jump start function.
- 9.2.2. Make sure the clamps are correctly connected.
- 9.2.3. Press and hold the button for 5 seconds. When the display shows JUMP START READY, the jump starter is ready for use.
 - WARNING! This overrides a safety feature. It will energize the clamps and cause sparking if they are touched together. If the clamp connections are reversed, damage to the unit, battery and possibly the car's electrical system will occur.
- 9.3. POWERING A 12V DC DEVICE (up to 6A)
- 9.3.1. The Power Pack is a power source for most DC accessories that are equipped with a 12V accessory plug.
 - NOTE: Charging while operating a DC device (USB, memory saver) will extend run time, but will also extend recharge time.
- 9.3.2. Make sure the device to be powered is OFF before inserting the 12V DC accessory plug into the 12V DC outlet.
- 9.3.3. Plug the 12V port adaptor into the unit's 12V output port.
- 9.3.4. Plug your device into the 12V adaptor port and turn on the device (if required).
- 9.3.5. Press the ψ button on the unit, twice.
- 9.3.6. When finished, turn off the DC device (if required) and disconnect the device. Press any button, to turn on the display. Then press the ψ button, to turn off the 12V function.
- 9.3.7. Recharge the Power Pack immediately after unplugging the device.

- 9.4. USING THE USB PORTS
- 9.4.1. The USB ports provide up to 2.1A at 5V DC.
- 9.4.2. Press the \checkmark button on the unit.
- 9.4.3. Plug the USB connector into the USB port of the unit.
- 9.4.4. Plug the other (micro) end of the adaptor into your device. Turn device on, if necessary.
- 9.4.5. When finished using the USB port, turn off the device (if necessary) and unplug the device. Press any button, to turn on the display. Then press the $\frac{1}{4}$ button twice, to turn off the USB function.
- 9.4.6. Recharge the unit.

NOTE: The USB power will automatically turn off if not used for 10 minutes.

- 9.5. USING A MEMORY SAVER (not included).
- 9.5.1. The unit can be used with a memory saver to save the vehicle's on-board diagnostic computer settings (radio programs, diagnostic codes, etc.) while the battery is disconnected from the vehicle during repair or maintenance. Connect your memory saver adaptor to the 12V DC accessory input adaptor. We recommend VS2073.

10. DISPLAY MESSAGES

Messages during recharge:

CHARGING - XX% (Green LED lit) - Plugged into the AC or DC charger and internal battery is recharging .

FULLY CHARGED (Green LED pulsing) - Plugged into the AC outlet and internal battery is completely charged.

BATTERY TOO HOT TO CHARGE - Remove charger and allow battery to cool down before recharging.

BATTERY TOO COLD TO CHARGE - The temperature of the internal battery is too low.

CHARGING-USB ON - The USB function is in use while the internal battery is recharging.

CHARGING-12V ON – The 12V function is in use while the internal battery is recharging.

FULLY CHARGED-USB ON - The internal battery is fully charged and the USB is in use.

FULLY CHARGED-12V ON - The internal battery is fully charged and the 12V port is in use.

UNPLUG CHARGER - Attempting to use the jump starter while the unit is recharging.

CHARGE ABORTED-SEE MANUAL – Charging cannot be completed normally.

Messages during use of 12V/USB:

USB ON-BATTERY XX% - The USB port is in use. The % shows the battery's charge.

12V ON-BATTERY XX% – The 12V port and USB are in use.

USB/12V OVER LOAD - The 12V/USB port is overloaded.

BATTERY LOW-RECHARGE - While using the 12V/USB, the battery voltage has dropped.

Messages during use of jump starter:

xx.xV - Clamps are connected to a car battery, but jump start button was not pressed.

CONNECT CLAMPS-BATTERY XX% - Unit is turned on, but does not detect battery clamps.

WARNING-CLAMPS REVERSED (alarm sounds) - The clamps are connected backwards to a battery.

BATTERY LOW-RECHARGE - The jump start button has been pressed, and the internal battery is discharged (will beep).

TURN OFF USB/12V – Attempting to jump start when 12V/USB function is activated.

OFF – The jump start button has been pressed twice.

BATTERY TOO HOT – The internal temperature of the battery is too warm. Allow battery to cool down before attempting another jump start

BATTERY TOO LOW - The internal battery voltage is too low. The unit will shut off.

RECHARGE - JUMP START ABORT – The internal battery voltage is too low.

The unit will shut off.

JUMP START READY-BATTERY COLD REDUCED PERFORMANCE – The temperature of the internal battery is too low, which reduces cranking performance.

JUMP START READY – The jump start button has been pressed, unit is correctly connected to a car battery, and the unit is ready for jump start.

JUMP START OVERLOAD – The peak current is more than 800A within 2 seconds and the cranking current is more than 540A in 2-10 seconds.

10 – Maximum 10-second-down counter for engine start.

BATTERY COOL DOWN 60 SEC REMAINING - Shows waiting time needed before attempting another engine start.

11. MAINTENANCE

- 11.1. After use and before performing maintenance, unplug and disconnect the unit.
- 11.2. Use a dry cloth to wipe all battery corrosion and other dirt or oil from the battery clamps, cords, and the outer case.
- 11.3. **DO NOT** open the unit, as there are no user-serviceable parts; any servicing should be performed by qualified service personnel.

12. STORAGE

- 12.1. Charge battery to full capacity before storage.
- 12.2. Store this unit at temperatures between -4°F-+104°F (-20°C-+40°C).
- 12.3. Never completely discharge the battery.
- 12.4. Charge after each use.
- 12.5. Charge at least once every 3 to 6 months if not in frequent use, to prevent over-discharge.

13. TROUBLESHOOTING

Problem	Possible cause	Reason/Solution
Unit will not start car	Clamps are not making a good connection to the battery. The battery is not charged. The temperature of the internal battery is above 55°C (131°F). The vehicle's battery voltage is over 15V. The vehicle's battery voltage is below 1V. The outside temperature is less than -10°C (14°F). The vehicle's battery is defective.	Check for poor connection to battery and to chassis. Make sure connection points are clean. Check battery charge status, recharge if necessary. Place the unit in a well ventilated area to cool the battery. You can not use this jump starter for this vehicle. Press and hold the jump start button for 5 seconds, until display shows <i>JUMP START READY</i> . Try starting several times. If not successful, place the unit in a warmer area for a short time. Have the battery checked.
The unit will not power a 12V or USB device.	The device is not turned on. The internal battery is not charged.	Turn on device. Check the battery charge status and recharge if necessary.
The display shows JUMP START READY - BATTERY COLD REDUCED PERFORMANCE	The temperature of the jump starter's internal battery is too low.	Try to jump start a few times to warm up the internal battery of the jump starter.
The display shows JUMP START OVERLOAD.	Over current protection.	Press the jump start button to turn off the unit.
Beeping sound and display shows BATTERY LOW - RECHARGE or BATTERY TOO LOW	The internal battery is discharged.	Recharge the internal battery.
The green LED is flashing and the display shows RECHARGE - JUMP START ABORT	Charging has aborted. The battery is not accepting a charge.	Reset the charger by briefly unplugging the unit. If problem persists, call Sealey stockist.
The display shows RECHARGE - JUMP START ABORT	The battery is low.	Recharge the battery.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



BATTERY REMOVAL

Separate the two halves of the casing by undoing the screws. Unplug the 2 batteries.

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd's Batteries Producer Registration Number (BPRN) is BPRN00705.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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