



MODEL:  
**SL65S.V2**  
**Jump Starter**  
**OWNER'S MANUAL**





Refer to  
instruction  
manual



Warning!  
Electricity



Warning!  
Explosive  
material



Wear eye  
protection

**PLEASE SAVE THIS OWNER'S MANUAL AND READ BEFORE EACH USE.** This manual will explain how to use the unit safely and effectively. Please read and follow these instructions and precautions carefully.

## 1. IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS

### **WARNING! RISK OF ELECTRIC SHOCK OR FIRE.**

- 1.1 Read the entire manual before using this product. Failure to do so could result in serious injury or death.
- 1.2 This jump starter is 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.
- 1.3 Children should be supervised to ensure they do not play with the jump starter.
- 1.4 Do not put fingers or hands into any of the unit's outlets.
- 1.5 Do not expose the unit to rain or snow.
- 1.6 The appliance is to be used only with the power supply unit provided with the appliance.
- 1.7 Use only recommended attachments. Use of an attachment not recommended or sold by Sealey for the SL65S may result in a risk of fire, electric shock or injury to persons or damage to property.
- 1.8 To reduce the risk of damage to the electric plug or cord, pull by the adaptor rather than the cord when disconnecting the unit.
- 1.9 Do not operate the unit with damaged cables or clamps.
- 1.10 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.
- 1.11 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.**

- 1.12 **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 UNIT.**
- 1.13 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 on the engine.
- 1.14 Do not set the unit on flammable materials, such as carpeting, upholstery, paper, cardboard, etc.

- 1.15 Never place the unit directly above battery being jumped.
- 1.16 Do not use the unit to jump start a vehicle while charging the internal battery.

## 2. 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:**

- 2.1 NEVER smoke or allow a spark or flame in the vicinity of a battery or engine.
- 2.2 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.
- 2.3 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.
- 2.4 Do not permit the internal battery of the unit to freeze. Never charge a frozen battery.
- 2.5 To prevent sparking, NEVER allow clamps to touch together or contact the same piece of metal.
- 2.6 Consider having someone nearby to come to your aid when you work near a lead-acid battery.
- 2.7 Have plenty of fresh water, soap and baking soda nearby for use, in case battery acid contacts your eyes, skin, or clothing.
- 2.8 Wear complete eye and body protection, including safety goggles and protective clothing. Avoid touching your eyes while working near the battery.
- 2.9 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.
- 2.10 If battery acid is accidentally swallowed, drink milk, the whites of eggs or water. DO NOT induce vomiting. Seek medical attention immediately.
- 2.11 Neutralize any acid spills thoroughly with baking soda before attempting to clean up.
- 2.12 **This product contains a lithium ion battery.** In case of fire, you may use water, a foam extinguisher, Halon, CO<sub>2</sub>, 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 nonalcoholic liquids to cool the product and prevent the battery from re-igniting. NEVER attempt to pick up or move a hot, smoking, or burning product, as you may be injured.

### 3. PREPARING TO USE THE UNIT

**WARNING! RISK OF CONTACT WITH BATTERY ACID. BATTERY ACID IS A HIGHLY CORROSIVE SULFURIC ACID.**

- 3.1 Make sure the area around the battery is well ventilated while the unit is in use.
- 3.2 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.
- 3.3 Determine the voltage of the battery by referring to the vehicle owner's manual and make sure that the output voltage is 12V.
- 3.4 Make sure that the unit's cable clamps make tight connections.

### 4. FOLLOW THESE STEPS WHEN CONNECTING TO A BATTERY

**WARNING! A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK NEAR THE BATTERY:**

- 4.1 Before plugging the clamps into the unit, attach the output cables to the battery and chassis as indicated below. Never allow the output clamps to touch each other.
- 4.2 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.
- 4.3 Stay clear of fan blades, belts, pulleys and other parts that can cause injury.
- 4.4 Check the polarity of the battery posts. The POSITIVE (POS, P, +) battery post usually has a larger diameter than the NEGATIVE (NEG, N, -) post.
- 4.5 Determine which post of the battery is grounded (connected) to the chassis. If the negative post is grounded to the chassis (as in most vehicles), see step 4.6. If the positive post is grounded to the chassis, see step 4.7.
- 4.6 For a negative-grounded vehicle, connect the POSITIVE (RED) clamp from the jump starter to the POSITIVE (POS, P, +) ungrounded post of 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 carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
- 4.7 For a positive-grounded vehicle, connect the NEGATIVE (BLACK) clamp from the jump starter to the NEGATIVE (NEG, N, -) ungrounded 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 carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
- 4.8 When finished using the jump starter, disconnect the clamps from the unit, remove the clamp from the vehicle chassis and then remove the clamp from the battery terminal.

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- SL65S.V2 jump starter
- Battery clamps with smart cable
- Carrying case
- Owners manual
- Micro USB charging cable

## 6. FEATURES



1. SL65S.V2
2. Battery clamps with smart cable
3. Green & red smart cable LED's
4. Carrying case
5. Micro USB cable
6. LCD display
7. ON/OFF switch
8. Input socket for recharging
9. USB port – 2.1A
10. USB port – 1A
11. Jump start output socket
12. ⏻ Display ON/OFF button
13. LED light (on back)

## 7. CHARGING THE JUMP STARTER

**IMPORTANT! CHARGE IMMEDIATELY AFTER PURCHASE, AFTER EACH USE AND EVERY 30 DAYS, OR WHEN THE CHARGE LEVEL FALLS BELOW 85%, TO KEEP THE INTERNAL BATTERY FULLY CHARGED AND PROLONG BATTERY LIFE.**

### 7.1 CHECKING THE LEVEL OF THE INTERNAL BATTERY

1. Slide the ON/OFF switch to the ON position. The LCD display will show the battery's percentage of charge. A fully charged internal battery will read 100%. Charge the internal battery if the display shows it is under 85%.
2. To reduce the risk of electric shock, unplug the USB charging cable from the outlet before attempting any maintenance or cleaning. Simply turning off the controls will not reduce this risk.
3. When charging the internal battery, work in a well ventilated area and do not restrict the ventilation in any way.

## 7.2 CHARGING THE INTERNAL BATTERY

**NOTE:** For best results, use a 2A micro USB-USB cable to charge.

**NOTE:** Use a 2A USB charger (sold separately), or a 2A USB charging port to quickly recharge the jump starter. Using a charger with less than 2A will increase charge time.

1. Plug the Micro USB end of the charging cable into the input port. Next, plug the USB end of the charging cable into a charger's USB port.
2. Plug your charger into a live AC power outlet.
3. The LCD display will light, the digit begins to flash and show "IN", indicating that charging has begun.
4. The jump starter will fully charge in 3-4 hours. When the unit is fully charged, the display will show "100%".
5. When the battery is fully charged, disconnect your charger from the outlet, and then remove the charging cable from the charger and the unit. Slide the ON/OFF switch to the OFF position, if you are not using the unit immediately.
6. Charge the unit as soon as possible after use.

## 8. OPERATING INSTRUCTIONS

### 8.1 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.

**NOTE:** The internal battery must have a charge if at least 40% to jump start a vehicle.

1. Turn the ignition OFF.
2. Lay the DC cables away from any fan blades, belts, pulleys and other moving parts. Make sure all of the vehicle's electrical devices are turned off.
3. For a negative-grounded vehicle, connect the POSITIVE (RED) clamp from the jump starter to the POSITIVE (POS, P, +) ungrounded post of 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 carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
4. For a positive-grounded vehicle, connect the NEGATIVE (BLACK) clamp from the jump starter to the NEGATIVE (NEG, N, -) ungrounded 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 carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
5. Plug the battery clamp cable into the jump starter's output socket.
6. Slide the ON/OFF switch to the ON position. The green LED should light.

**NOTE:** If the vehicle battery is extremely discharged, the initial current draw from the jump starter may activate short circuit protection in the

smart cable. When the condition is corrected, the smart cable will automatically reset.

7. After a proper connection has been made, 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.

**NOTE:** If the car does not crank a second time, refer to section 11, Troubleshooting. When the condition is corrected, the smart cable will automatically reset.

**NOTE:** Cold weather may affect the performance of the jump starter's lithium battery. If you hear only a click and the engine does not turn over, try the following:

With the jump starter connected to the car battery and the green LED illuminated on the smart cable, turn on all lights and electrical accessories for one minute. This draws current from the jump starter and warms the battery. Now try to crank the engine. If it does not turn over, repeat the procedure. Extremely cold weather may require two or three battery warmings before the engine will start.

**IMPORTANT:** DO NOT attempt to jump start your vehicle more than three consecutive times. If the vehicle will not start after three attempts, consult a service technician.

8. After the engine starts, unplug the battery clamps from the jump starter socket and then disconnect the black clamp (-) and the red clamp (+), in that order. Slide the ON/OFF switch to the OFF position.
9. Recharge the unit as soon as possible after each use.

## 8.2 CHARGING A MOBILE DEVICE, USING THE USB PORTS

The SL65S Includes two USB ports. One provides up to 2.1A at 5V DC, the other provides up to 1A at 5V DC.

1. Consult your mobile device manufacturer for proper charging power specifications. Connect a mobile device cable to the appropriate USB port.
2. Slide the ON/OFF switch to the ON position. Charging should begin automatically. The display will show which port is in use.
3. Charging time will vary, based on the mobile device's battery size and the charging port used.

**NOTE:** Most devices will charge with either USB port, but may charge at a slower rate.

4. When finished using the USB port, disconnect the charging cable from your mobile device and then disconnect the charging cable from the unit. Slide the ON/OFF switch to the OFF position.
5. Recharge the unit as soon as possible after each use.

**NOTE:** If no USB device is connected, power to the USB ports will automatically shut off after 30 seconds.

## 8.3 USING THE LED LIGHT

1. Slide the ON/OFF switch to the ON position.
2. Hold down the display  button for 3 seconds.
3. Once the LED light is on, press and release the display  button to cycle through the following modes:
  - Steady glow
  - Flash for an SOS signal
  - Flash in strobe mode

- When finished using the LED light, press and hold the display  button until the light turns off.
- Slide the ON/OFF switch to the OFF position.
- Recharge the unit as soon as possible after each use.

## 9. MAINTENANCE INSTRUCTIONS

- After use and before performing maintenance, unplug and disconnect the unit.
- Use a dry cloth to wipe all battery corrosion and other dirt or oil from the battery clamps, cords, and the outer case.
- Do not open the unit, as there are no user-serviceable parts.

## 10. STORAGE INSTRUCTIONS

- Charge battery to full capacity before storage.
- Store this unit at temperatures between  $-20^{\circ}\text{C}$  –  $+60^{\circ}\text{C}$ .
- Never completely discharge the battery.
- Charge after each use.
- Charge at least once every month, if not in frequent use, to prevent over-discharge.

## 11. TROUBLESHOOTING

PROBLEM	SOLUTION
The jump starter's display will not turn on.	<p>Make sure the unit is charged.</p> <p>Connect to a power source to reset.</p> <p>Make sure the ON/OFF switch is set to the ON position.</p>
The thermometer symbol  is flashing	The unit is too hot or cold. The thermometer symbol will disappear when the condition is removed.
The jump starter will not recharge.	Make sure the power source is live.
The jump starter turns on, but won't jump start my vehicle.	<p>Check connections.</p> <p>Verify the charge level of the jump starter is at least 40%.</p> <p>Do not attempt to jump start your vehicle more than three consecutive times. If the vehicle still does not start, consult a qualified service technician.</p>
When cable is connected only to the battery: Solid Red LED, (Green LED off); beeps once per second.	The vehicle battery voltage is lower than 10.5V. User can connect to the jump starter and turn key to jump start the vehicle.

PROBLEM	SOLUTION
When the cable is correctly connected to both battery and jump starter: Green LED blinking; RED LED off; no beep.	"Fake" high battery voltage is detected but reverse charging protection did not activate. User can turn key to jump start the vehicle.

### Smart Cable LED and Alarm Behavior

BEHAVIOR	REASON
Green LED blinking; Red LED off; no beep.	Cable is connected to battery only. Cable is connected to jump starter only.
Green LED solid; Red LED off; no beep.	Cable is connected correctly to both battery and jump starter.
Solid Red LED, Green LED off; beeps once per second.	Low voltage protection.
Solid Red LED, Green LED off; beeps twice per second.	Reverse polarity protection.
Alternating Red and Green flashing LEDs; no beep.	Reverse charging protection.
Solid Red LED, Green LED off; rapid beeping	Short circuit protection.
Solid Red and Green LEDs; no beep.	Auto shut-off, due to inactivity. Disconnect and reconnect clamps to the vehicle battery.
Solid Red and Green LEDs; beeps once per second.	Temperature protection.

**NOTE:** When the condition is corrected, the smart cable will automatically reset.

## 12. SPECIFICATIONS

Auxiliary output:..... USB (x2) - 5V/2.1A, 5V/1A  
 Cable & clamp length: .....430mm  
 Capacity:  
 .....8000mAh @ 3.2V, 2000mAh @ 12.8V  
 Max. current: .....600A Peak, 300A Cranking  
 Max. starting capacity: .....2L petrol/1.6L diesel  
 Size (W x D x H):..... 81 x 26 x 128mm

## 13. DISPOSAL INFORMATION

### 13.1 Internal Battery

- The battery must be removed from the appliance before it is scrapped.
- The appliance must be disconnected from the supply mains before removing the battery.
- The battery must be disposed of safely.



## EC DECLARATION OF CONFORMITY

Description and Function: Jump Starter Power Pack Lithium 600A

Model/Type: SL65S v2

Manufacturing Date/Serial Number where applicable: .....

2014/30/EU EMC Directive

2011/65/EU RoHS Directive

This declaration of conformity is issued under the sole responsibility of the manufacturer:

**Jack Sealey Ltd, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR**

Declaration of Conformity in accordance with the above Directive(s).

References to harmonised standard(s)

EN 55024:2010+A1:2015 .....

EN 55032:2015 .....

EN 61000-3-2:2014 .....

EN 61000-3-3:2013 .....

Technical file compiled by: **Jack Sealey Ltd**

**Being the responsible person appointed by the manufacturer.**

Signed 

Date 1 March 2018

Name Steve Buckle.

Position Marketing Director.

Place: **Bury St Edmunds**

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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



#### 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.

**Parts support is available for this product. Please contact:  
email [sales@sealey.co.uk](mailto:sales@sealey.co.uk) or telephone  
01284 757500.**

**NOTE:** It is our policy to improve products continually 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.

**LIMITED WARRANTY:** Guarantee is 2 years from purchase date for the unit, 1 year for the batteries. Proof of purchase will be required for any claim.

**Sole UK Distributor,  
Sealey Group,  
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