



THE TOOL COMPANY

RoadStart® 12V Lithium-ion Jump Starter Power Pack 600A

OPERATOR INSTRUCTION MANUAL



Model No.

RS600

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.

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1. Introduction

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.

1.1 Intended Use

A 600A 12V lithium-ion jump starter power pack is primarily intended for emergency roadside assistance and workshop use. It is designed to quickly jump-start stalled engines, providing a reliable power source for vehicles and machinery. The power pack's compact and lightweight design makes it easy to carry, while its protection against short circuit, overload, and reverse polarity ensures safe and effective use. Additionally, the power pack's built-in USB outputs allow for charging of devices, making it a versatile tool for both emergencies and maintenance tasks.

1.2 Description

Compact and lightweight, slim pocket-sized 12V jump starter pack. Powered by lithium-ion technology and fully protected against short circuit, overload and reverse polarity. Fitted with 7,200mAh @3.7V lithium-ion battery with 5V/1.5A Micro USB input and 5V/2.1A USB Type-A outlet for powering or charging a variety of small electronic devices. Capable of starting an average 4L petrol or 2.5L diesel engine. Integral LED flashlight. Waterproof to IP66 rating.

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Disclaimer: All errors and omissions excluded. 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. See www.sealey.co.uk for the latest information.

Country of origin: China.

2. Safety Symbols



Refer to
instruction
manual



Wear eye
protection



Wear
protective
gloves



Warning!
Electricity

3. Safety

! **WARNING!** 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.

- Ensure that the vehicle is in a well ventilated area.
- Apply the handbrake and select neutral or 'park' before attempting to start.
- Ensure that the ignition switch and all ancillary electrical equipment is switched off.
- Keep clear of any pulleys, belts etc. that will move once the engine starts.
- Take care to ensure correct connection polarity; red clamp to positive, black clamp to negative.
- Energise the unit only at ambient temperatures between -30°C and 40°C.
- When not in use, switch off and store in a cool, dry place out of the reach of children.

⊘ **DO NOT** allow this power pack to become wet.

⊘ **DO NOT** dismantle this unit: there are no user serviceable parts inside.

⊘ **DO NOT** use in explosive atmospheres (e.g. the presence of flammable liquids, gases or dust).

⊘ **DO NOT** use the unit if it appears damaged in any way.

⊘ **DO NOT** use this product for any purpose other than that for which it is designed.

⊘ **DO NOT** leave in direct sunlight or expose to heat.

⊘ **DO NOT** use abrasive or solvent cleaners on this product.

⊘ **DO NOT** allow children to play with this product

⊘ **DO NOT** allow the positive and negative clamps to touch.

3.1 Battery Safety

! **WARNING!** To reduce the risk of burns or fire:

⊘ **DO NOT** attempt to open, disassemble, modify or service the battery pack.

⊘ **DO NOT** crush, puncture, short external contacts or dispose of in fire or water.

⊘ **DO NOT** expose to temperatures above 60°C (140°C).

- Replace only with the battery pack designated for this product.
- Recycle or dispose of used battery as stipulated by local regulation.

! If the electrolyte in the cells gets on your skin, thoroughly wash with soap and water. If it gets in your eyes, rinse thoroughly with cool water and seek immediate medical attention.

4. Specification

Model No.	RS600
Auxiliary Output:	USB (x1) - 5V/2.1A
Cable & Clamp Length:	385mm
Capacity:	7.2Ah @ 3.7V or 1.8Ah @ 14.8V (26.6Wh)
Maximum Current:	600A Peak, 300A Cranking
Maximum Starting Capacity:	4L Petrol/2.5L Diesel
Weight:	0.36kg
Size (W x D x H):	85 x 27 x 140mm
Voltage:	12V

5. Features

1	On / Off Button
2	Charge Indicator LEDs
3	LED Torch / Flashlight
4	Micro USB Input
5	USB Output
6	Jump Start Port
7	(-) Clamp
8	(+) Clamp
9	Jump Start Connector
10	Clamp Indicator Light
11	Force Start Button

6. Operation

6.1 Charging The Unit

NOTE: Ensure unit is fully charged before first use.

- 6.1.1 Connect unit to power source using the Micro USB cable.
- 6.1.2 Press On/Off button to turn on the unit. Charge indicator lights will flash while charging and fully lit once fully charged.
- 6.1.3 Unplug cable when fully charged.

6.2 Charging External Devices

- 6.2.1 Connect the unit to the external device via the USB cable.
- 6.2.2 Press On/Off button to turn on the unit.
- 6.2.3 Turn unit off and disconnect cable when external device is fully charged.
- 6.2.4 LED Torch/Flashlight
- 6.2.5 Press and hold the On/Off button for approximately 3 seconds to turn the torch on constantly.
- 6.2.6 To cycle through settings, press once more for S.O.S. flash, once more for constant flash and once more for Off.

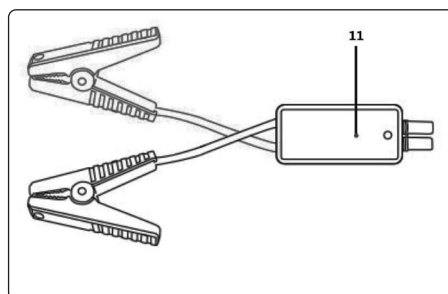
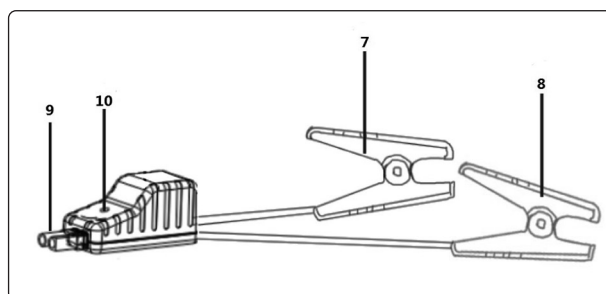
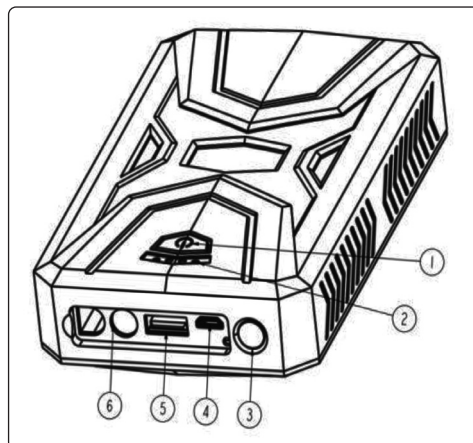
6.3 Jump Starting



NOTE: Before attempting to start your vehicle, ensure that at least 3 of the 4 Charge Indicator lights are lit.



NOTE: When the Jump Start Connector is connected to the unit, **DO NOT** allow the battery clamps to touch each other.



- 6.3.1 Insert Jump Start Connector into the unit and connect the battery clamps to the battery terminals.
- 6.3.2 The Clamp Indicator LED will show a solid green indicating it is safe to proceed.



NOTE: If only the red Clamp Indicator LED is lit, the Clamps may be connected in reverse. Reverse connections.

- 6.3.3 If the engine does not start, disconnect the Clamps, wait for 30 seconds and try again.
- 6.3.4 After 3 attempts, it is possible to use the Force Start function as described below.
- 6.3.5 **FORCE START METHOD:** Connect the clamps to the battery terminals and hold the Force Start Button down for 3 seconds.
If the indicator light of the Clamp is solid green, you need to start the vehicle within 30 seconds.
- 6.3.6 Once started remove the unit from the battery.

7. Consumables & Accessories

A wide range of consumables and accessories are available.

Visit www.sealey.co.uk to explore our extensive range.

8. Troubleshooting

LED State	Status
The green light is solid	Ready to work
The red light is solid	1. Battery clamp is reverse connected. -Check whether the clamp is reverse connected. Correct if required. 2. The clamp is short-circuited. -Check whether two clamps are touching or connected to the same metal surface.
The red light is solid	Reverse charging protection, the voltage of the car battery is higher than 12.6V. -No jump starter needed, the car battery is enough to start your car.
The red light flashes quickly	The temperature of the clamp exceeds 65(+/-5) °C. -Remove the clamp until the red/green light flashes.
The green light flashes slowly	The voltage of the jump starter is too low. -Recharge unit.

9. Maintenance

- 9.1 After use and before performing cleaning, unplug and disconnect the unit.
- 9.2 Use a dry cloth to wipe all battery corrosion and other dirt or oil from the battery clamps, cords, and the outer case.



Battery Removal

Dispose of according to local government guidelines. 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.



Product Registration

It's quick and easy to register your warranty online at www.sealey.co.uk. Just log in or create a free MySealey account, then head to the 'My Products' section to fill out the short warranty registration form. If your product is advertised with a free extended warranty upon registration, this will activate your extended warranty.



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.



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10. Warranty

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



Please note that guarantee claims must be made via the place of purchase where you may need to provide proof of purchase. All consumable items are under no warranty period. All warranties exclude general wear and tear and misuse, see our terms of business for more details.

11. Aftersales Support

We are committed to supporting our products throughout their lifetime.

- If your product is outside of the warranty period, we offer an extensive range of spare parts along with expert technical advice to help keep your equipment in working order.
- Our technical team is on hand to assist 8.30am-5.00pm Mon-Fri with fault finding, repairs and general product queries.
Telephone 01284 757505
Email: technical@sealey.co.uk
- If required, products can also be returned to Sealey or one of our authorised repair agents for inspection, servicing or repair at a reasonable cost.