



ROADSTART® 2000A 12V JUMP STARTER POWER PACK

MODEL NO: **RS2000**

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.



Refer to instruction manual



Wear eye protection



Wear protective gloves



WARNING!
Electricity



Keep in dry area. Protect from rain



Warning
corrosive
substance



Keep away
from sources of
ignition



Use in well
ventilated
areas



WARNING!
Explosive
material

1. SAFETY

1.1. GENERAL 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.

- ✓ 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** place the product in a high-temperature environment.
- ✗ **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** disassemble or modify the product.
- ✗ **DO NOT** leave in direct sunlight or expose to heat.
- ✗ **DO NOT** use abrasive or solvent cleaners on this product.
- ✗ **DO NOT** allow children or pets to play with this product
- ✗ **DO NOT** allow the positive and negative clamps to touch.
- ✗ **DO NOT** connect both cable clamps to the same piece of metal.
- ✗ **DO NOT** abuse the product. Handle with care.

1.2. 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°).
- ✗ **DO NOT** use the product to start a bulging car battery.
- ✓ 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.

2. INTRODUCTION

Easily fits in a glove box or backpack and benefits from being compact and lightweight. Powered by lithium-ion technology and fully protected against short circuit, overload and reverse polarity. Fitted with a 20,000mAh lithium-ion battery and two USB Type A outlets (5V/3A, 9V/2A, 12V/1.5A), Type-C input and output leads (5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/2.25A) and DC output 15V/10A this unit can also supply several full charges for smartphones and tablets/laptops. Capable of starting an average 10L petrol or 8L diesel engine. Integral LED flashlight with multiple settings (Solid, SOS, Flash). Supplied in a sturdy hard-shell zip-up case with battery clamps and 2x USB cables.

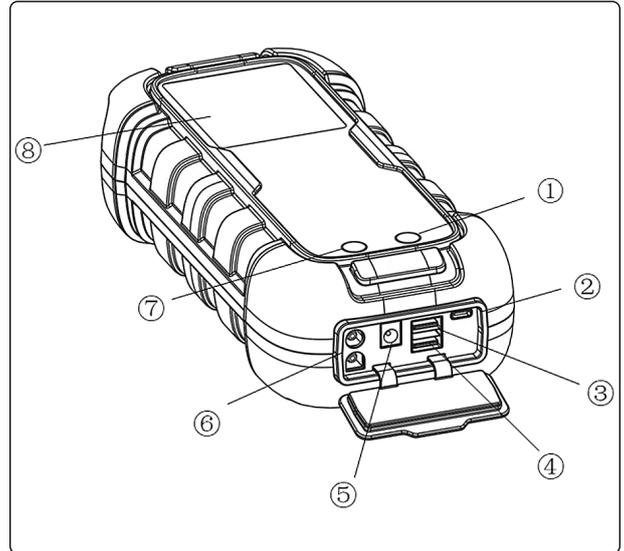
3. SPECIFICATION

Model No:..... **RS2000**
Cable & Clamp Length:..... 430mm
Capacity:.....20Ah @ 3.7V or 5Ah @ 14.8V
Maximum Current:.....2000A Peak, 1000A Cranking.

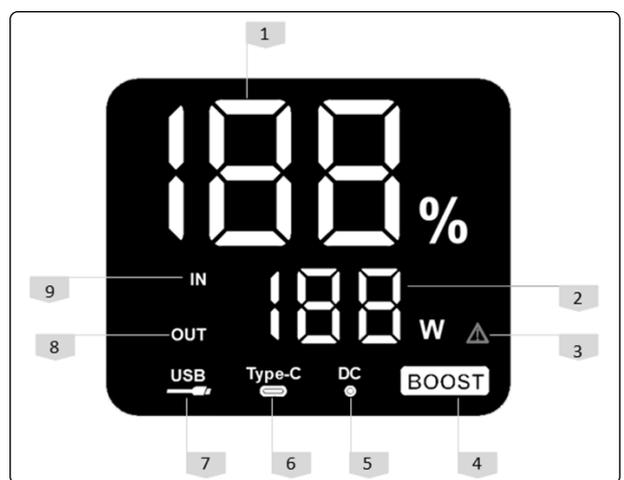
Maximum Starting Capacity: 10L Petrol/8L Diesel
Size (W x D x H): 113 x 66 x 243mm
Voltage:..... 12V

4. OPERATION

| NO. | FUNCTION | OPERATION |
|-----|---------------------------------|-------------------------------------------------------------------------------|
| 1 | ON/OFF Button (Multifunctional) | Press to see remaining capacity. Long press to turn on/off the flashlight. |
| 2 | USC C Input & Output (PD45W) | Fast charge/discharge |
| 3 | USB Output Port 1 | Charge your devices (QC 3.0 compatible) faster, with 75% increase in speed. |
| 4 | USB Output Port 2 | Charge your devices (QC 3.0 compatible) faster, with 75% increase in speed. |
| 5 | DC Output Port | Charge other products through a cigarette lighter. |
| 6 | EC 5 Port | Insert the plug into the EC5 port to jump start the car. |
| 7 | BOOST Button | Press this button before starting the car. |
| 8 | LCD Screen | Charge and discharge status and clamp startup display |



| NO. | OPERATION |
|-----|--------------------------------------------------------------------------------|
| 1 | Percentage of battery capacity: percentage of battery charge/discharge/standby |
| 2 | Charging and discharging power display |
| 3 | Alarm prompt |
| 4 | BOOSTER button: Ready to jump start the vehicle |
| 5 | DC output display |
| 6 | Type-C charging and discharging display |
| 7 | USB output display |
| 8 | Output display |
| 9 | Input display |



CHARGING THE DEVICE

- 4.2.1. Connect one end of the USB cable to the AC adapter, and the other end to USB C input port to begin charging.
- 4.2.2. Press the ON/OFF button to start charging. The percentage of battery capacity and power will display.
- 4.2.3. When the battery is fully charged, the LCD screen will turn off automatically. Full charge can take up to 10 hours.
- 4.2.4. Unplug the cable when no charge is required.

NOTE: ensure the jump starter is fully charged before first use. The jump starter will power off automatically when no load is detected, or when charging is complete.

4.1. POWER BANK

This device can be used as a power bank with compatible devices such as smartphones, tablets or laptops.

- 4.1.1. Connect the Roadstart to a compatible device.
- 4.1.2. Press the ON/OFF button to start charging.
- 4.1.3. Unplug the cable when no charge is required.

4.2. LED FLASHLIGHT

- 4.2.1. Long press ON/OFF button for 3 seconds to turn on the light.
- 4.2.2. Press ON/OFF button to switch between 4 modes: Solid, SOS, Flash and Off.

4.3. JUMP START

NOTE: this product is for 12V batteries (maximum 10.0L petrol or 8.0L diesel engines).

Check to make sure the battery power of the jump starter is more than 50% before you use it to start your car.

- 4.3.1. Insert the plug of the clamp completely into the jump starter.
- 4.3.2. Connect the red clamp to the positive terminal (+) of the car battery
- 4.3.3. Connect the black clamp to the negative terminal (-) of the car battery.
- 4.3.4. Press the ON/OFF button and long press 'BOOST' until the LCD screen displays 'BOOST'.
- 4.3.5. Start the car.

5. MAINTENANCE

5.1. STORAGE

- ✓ Store the product in a clean, shaded and well-ventilated area.
- ✗ **DO NOT** place the product in a high-temperature environment.
- ✓ Keep the product away from children and pets.
- ✓ Check the battery level at least once every six months and charge the product in time.

5.2. CLEANING

- ✗ **DO NOT** use detergents to clean the product. Clean with a soft cloth.

6. TROUBLESHOOTING

| ERROR MODE | CAUSE | SOLUTION |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|  + Buzzer alarm + number '9' | Reverse connection | Correct the connection between the clamp and the positive and negative poles of the battery |
|  + Buzzer alarm + number '8' | Temperature too high/low | Allow to cool. Ensure temperature of the jump starter is between -20°C and 60°C |
|  + Buzzer alarm + number '7' | Overcurrent protection | Stop the device and the safe mode will disappear after 30 seconds |
|  + Buzzer alarm + number '6' | Trying to start the vehicle more than 4 times within 10 minutes | Stop the device and the safe mode will disappear after 10 minutes |
|  + Buzzer alarm + number '5' | Two clamps are short-circuited | Ensure clamps are not touching or connected to the same piece of metal |
|  + Buzzer alarm + number '4' | When the external battery voltage is higher than the jump starter voltage | Disconnect the jump starter and the car battery |
|  + Buzzer alarm + number '3' | Voltage of the jump starter is too low to start the vehicle | Recharge the jump starter as soon as possible to prevent battery damage |



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.



Li-ion

BATTERY REMOVAL

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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