



INSTRUCTIONS FOR:
**ELECTROSTART® BATTERYLESS POWER
 START 3000A 12V**
 PART NO: **E/START3012**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions and maintained properly, 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

1. SAFETY

- ✓ Read the manufacturer's manual for the vehicle being started: the manufacturer may have specific cautions and instructions regarding emergency starting procedures.
 - ✓ 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 E/start3012 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 E/start3012: there are no user-servicable parts inside.
 - * **DO NOT** use in explosive atmospheres (e.g. the presence of flammable liquids, gases or dust).
 - * **DO NOT** use the E/start3012 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.
- Modern vehicles contain extensive electronic systems. 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.

2. INTRODUCTION

Vehicle jump starting made easy with innovative patented technology. Unlike traditional boosters, it has no internal batteries, as it uses Ultracapacitors to maximise the discharged battery's voltage. Simply connect to the vehicle's battery, even if discharged, and the unit will draw enough power to energise itself in a matter of minutes. Power can then be pushed safely back through the starting system to jump start the vehicle. If the vehicle's battery is faulty or holding less than 5 volts, the ElectroStart range can be pre-charged via another vehicle's battery, a Micro USB charging cable* (supplied with Model No. E/start3012) or the 12V accessory lead* (excludes Model No. E/START1224 and E/START3012). Safely store the unit without the need for battery maintenance, and no delay waiting for a battery to charge, the device is ready for use within minutes. Compact and lightweight for easier handling and storage, yet still delivers the same result as heavy, bulky, lead acid battery equivalents. Ideal for both professional mechanics and DIY users.

Model No: **E/START3012**
Output: 12V
Output Start Peak(EN): 3000A(1500A)
Maximum Starting Capacity: Petrol; 10ltr, Diesel; 8ltr
Cable & Clamp Length: 450mm
Size (W x D x H): 295 x 230 x 90mm

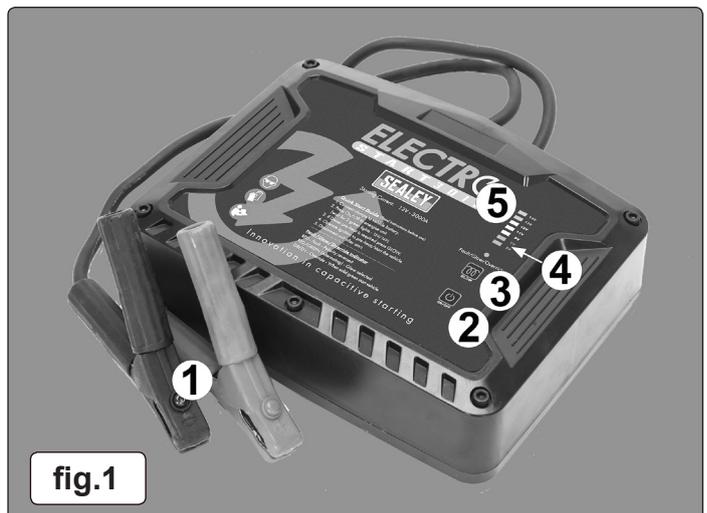


fig.1

4. CONTROL PANEL

4.1. CONTROL PANEL FUNCTIONS

ON/OFF Button (fig.1.2):

Switches the E/start3012 on to display the level of energy in the E/start3012. Enables the E/start3012 to energise from a 12V battery via the clamp leads.

Hold the ON/OFF button down to select Override mode (see section 5.3).

Press to turn E/START3012 off.

Energising Indicator (EI) (fig.1.5):

Press the ON/OFF button. The EI will show the internal energy of the E/start3012.

With the E/start3012 switched off, and connected to a battery, the EI indicates the charge in the battery.

When the ON/OFF button is pressed, the EI flashes to indicate the internal charge being accumulated from that battery until the E/start3012 is fully energised, indicated by a steady 14V green LED.

GLOW Button (fig.1.3):

Only used in special circumstances with some diesel engines (see section 5.2).

Fault/Glow/Override Indicator (fig.1.4):

Steady red display when the ON/OFF button is pressed indicates incorrect polarity, short circuit or battery voltage less than 3V.

Flashing red/green indicates that the Glow function is selected.

Flashing green indicates that the Override function is initialising, steady green indicates that Override is ready.

Steady red indicates low charge in the vehicle battery.



fig.2

5. OPERATION

5.1. NORMAL STARTING

Ensure that the E/start3012 is switched off. Connect the clamps to the vehicle battery terminals, observing correct polarity.

- 5.1.1. The Energising Indicator display shows the charge in the vehicle battery. An initial battery indication of below 12V **may** suggest that there is an internal fault. If the normal starting procedure fails, consider using the Override mode at 5.3.
- 5.1.2. Press the ON/OFF button. If the E/start3012 is not already fully energised, the Energising Indicator LED's will flash until a steady green 14V LED indicates that it is energised fully (the E/start3012 will switch off if not used within 2 minutes; restart the process if this happens).
- 5.1.3. When the 14V LED is steady the E/start3012 is ready.
- 5.1.4. Operate the vehicle ignition switch to start the engine.
- 5.1.5. Switch the E/start3012 off and disconnect from the battery.

5.2. PRE-CHARGING

On occasions, the weak battery may not have sufficient charge to energise the E/START3012. In that case, energise the E/Start from a good 12V battery by connecting the leads to the correct terminals.

- 5.2.1. Press the ON/OFF button and the internal capacitors will charge.
- 5.2.2. When the energising indicator shows 14V and the condition indicator shows a steady green, the E/start is fully charged.
- 5.2.3. Proceed as from 5.1.2. to start the engine.

5.3. GLOW MODE (Only use if the GLOW symbol appears on the vehicle instrument panel)

- 5.3.1. Ensure that the E/START3012 is switched off. Connect the clamps to the vehicle battery terminals, observing correct polarity.
- 5.3.2. The Energising Indicator display shows the charge in the vehicle battery. An initial battery indication of below 12V **may** suggest that there is an internal fault. If the GLOW procedure fails, consider using the Override mode at 6.3.
- 5.3.3. Press the ON/OFF button. If the E/START3012 is not already energised fully, the Energising Indicator LED's will flash until a steady green 14V LED indicates a full charge.
- 5.3.4. When the 14V LED is steady, the E/START3012 is ready (the E/START3012 will switch off if not used within 2 minutes; restart the process if this happens).
Press the GLOW button. The Fault/Glow/Override Indicator will flash red/green to show that the glow mode is active. Operate the vehicle ignition switch and wait for the **GLOW** symbol on the vehicle instrument panel to extinguish. Start the engine.
- 5.3.5. Switch the E/START3012 off and disconnect from the battery.

If the Normal or GLOW start procedures are unsuccessful, the following mode may need to be used.

5.4. OVERRIDE MODE (Faulty battery)

NOTE: The GLOW function will not operate in this mode.

Always read the vehicle manufacturer's instruction manual.

An initial battery indication of below 12V **may** suggest that there is an internal fault.

- 5.4.1. The E/START3012 will need to be energised as in section 5.2.
- 5.4.2. Remove the vehicle's positive (red) lead from the battery terminal (fig.3).
- 5.4.3. Ensure that the E/START3012 is switched off. Connect the E/START3012 positive clamp to the vehicle positive lead, **NOT** the battery terminal (fig.3).
- 5.4.4. Press the On/Off button (the E/START3012 will switch off if not used within 2 minutes; restart the process if this happens).
- 5.4.5. Then press and hold the ON/OFF button until the Fault/Glow/Override Indicator flashes green. This indicates that Override mode is initialising.
- 5.4.6. When the Indicator shows a steady green, the Override mode is active.
Operate the ignition switch to start the engine (the ability for an engine to continue to run without a battery connected will vary, depending on the make and model of the vehicle).

- ❑ **WARNING: Do not leave the engine running without the E/START3012 or the battery being connected. Failure to comply could result in damage to the vehicle ECU. Sealey will not accept responsibility for any damage caused by incorrect use of this product.**

As soon as the engine starts, and keeping the E/START3012 clamp and battery lead connected, attach the positive lead to the positive battery terminal and tighten the terminal clamp (fig.4). After the positive lead has been secured to the battery terminal switch off the E/START3012 and disconnect from the battery.

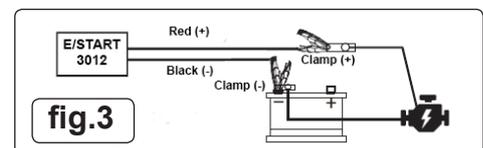


fig.3

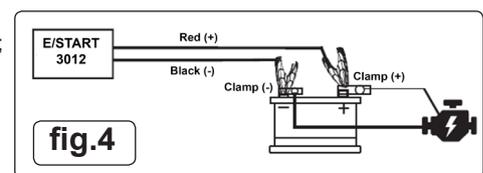


fig.4

5.5 DUTY CYCLE

Maximum Successive Start Attempts in a Session.....5
Minimum Rest Period Between Sessions.....15minutes

 **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.

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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