

EN

Original Instructions
Version 1 – January 2024



12V LITHIUM

JUMP STARTER WITH DIGITAL DISPLAY

23728, 23741, 23742



! Fully charge the jump starter before using for the first time

1. Preface

These are the original product instructions. This document is part of the product; retain it for the life of the product, passing it on to subsequent holders. Read this manual in full before attempting to assemble, operate or maintain this product.

This Draper Tools manual describes the purpose of the product and contains all the necessary information to ensure its correct and safe use. Following all the instructions and guidance in this manual will ensure the safety of both the product and the operator and increase the lifespan of the product.

All photographs and drawings within this manual are supplied by Draper Tools to help illustrate correct operation of the product.

Every effort has been made to ensure the information contained in this manual is accurate. However, Draper Tools reserves the right to amend this document without prior warning. Always use the latest version of the product manual.

1.1 Product Reference

User Manual for: 12V Lithium Jump Starter with Digital Display.

Stock No: 23728, 23741, 23742

Part No: GTS1200, GTS2000, GTS3000

1.2 Revisions

Version 1: January 2024

First release.

As our manuals are continually updated, always ensure that the latest version is used.

Please visit drapertools.com/manuals for the latest version of this manual and the associated parts list, if applicable.

1.3 Understanding the Safety Content of This Manual



WARNING! – Situations or actions that may result in personal injury or death.



CAUTION! – Situations or actions that may result in damage to the product or surroundings.

Important: – Information or instructions of particular importance.

1.4 Copyright © Notice

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In all cases, this copyright notice must remain intact.

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3. Product Introduction

3.1 Intended Use

This product has been designed as a compact and portable vehicle digital jump starter with a built in flashlight. It can also be used as a powerful USB power bank supplying several full charges to most smart phones.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

Read this manual in full before assembling, operating or maintaining the product, and retain it for later use.

3.2 Specification

Stock No.	23728	23741	23742
Part No.	GTS1200	GTS2000	GTS3000
Net weight	930g	960g	1000g
Dimensions (L×W×H)	239.5 × 100 × 57.5mm	239.5 × 100 × 57.5mm	239.5 × 100 × 57.5mm
IP Rating	IP66	IP66	IP66
Voltage	12V	12V	12V
Capacity	16,000mAh	20,000mAh	24,000mAh
Peak Current	1200A	2000A	3000A
Crank current	600A	1000A	1500A
Petrol Engine	8L	10L	All CC
Diesel Engine	6L	8L	10L
Flashlight Power	2.5W	2.5W	2.5W
Short Circuit Protection	Effective	Effective	Effective
Over-Discharge Protection	≤13v±0.3v	≤13v±0.3v	≤13v±0.3v
Over Temperature Protection	>65°C + 5°C	>65°C + 5°C	>65°C + 5°C
Reverse Polarity Protection	Effective	Effective	Effective
USB-C Input/Output	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/2.25A	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/2.25A	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/2.25A
USB Output 1	5V/3A, 9V/2A, 12V/1.5A	5V/3A, 9V/2A, 12V/1.5A	5V/3A, 9V/2A, 12V/1.5A
USB Output 2	5V/3A, 9V/2A, 12V/1.5A	5V/3A, 9V/2A, 12V/1.5A	5V/3A, 9V/2A, 12V/1.5A
DC Output	15V/10A	15V/10A	15V/10A
Battery Type	Lithium-ion	Lithium-ion	Lithium-ion

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Non-compliance with these instructions may result in injury or damage to the user, or the product or the vehicle.

4.1 Vehicle Battery Health and Safety Precautions



WARNING! Risk of explosive gases

- Working in the vicinity of lead-acid batteries is dangerous as they generate explosive gases during normal operation. Follow these instructions and those published by the battery manufacturer and the manufacturer of any other equipment to be used in the vicinity of the battery.
 - Review warning marks on all these products and on the engine.
 - When working near a lead-acid battery, ensure someone is within range of your voice or close enough to come to your aid.
 - Never smoke or allow a spark or flame near the battery or engine.
 - Take extra care not to drop a metal tool onto the battery. It could spark or short circuit the battery.
- Wear suitable eye and face protection.
 - Have plenty of fresh water and soap nearby in case battery acid contacts eyes, skin or clothing. If acid enter eyes, wash eye under cold clean running water for at least 15 minutes and get medical attention immediately.
 - Remove any metallic items such as rings, bracelets, necklaces and watches. A lead-acid battery can produce a short circuit current high enough to weld a metallic item, which may cause a severe burn.

4.2 Jump Starter Health & Safety Precautions

- Before using the jump starter refer to the vehicle's manufacturer instruction manual for specific advice on jump starting.
- Only trained and competent personnel may operate this device.
- Fully charge the jump starter before using for the first time.
- The jump starter is for use on 12V circuits only.
- Only use the leads and clamps supplied with the starter unit.

- **DO NOT** use this unit if the clamp leads are damaged or worn.
- **NEVER** allow the clamps to touch one another or to connect to the same piece of metal, otherwise the jump starter will be damaged.
- **DO NOT** use the jump starter to start a damaged, bulging, or frozen car battery.
- **DO NOT** disassemble or modify the unit.
- **DO NOT** place or store the unit in a high temperature environment that exceeds 60°C. The operating temperature is -20 to 60°C and storage temperature is 50°C.
- Handle the unit with care and if dropped or showing signs of damage get it checked by a qualified service person.
- Keep the product away from children and pets.

4.3 Rechargeable Battery Health & Safety Precautions

- **DO NOT** leave battery in a discharged state.
- To maintain the battery health and performance charge the battery every 3 – 6 months.



WARNING! To reduce the risk of burns or fire:

- **DO NOT** attempt to open, disassemble, modify or service the jump starter.
 - **DO NOT** crush, puncture, short external contacts or dispose of in fire or water.
 - **DO NOT** expose to temperatures above 60°C.
 - **DO NOT** use this product if the casing is open, missing or damaged in any way.
- **DO NOT** attempt to remove the built in battery as it is not replaceable.

4.4 Flashlight Health & Safety Precautions

- **DO NOT** turn the light on when the jump starter is being charged.
- **DO NOT** shine the light directly into eyes.
- **DO NOT** allow children to use the light.

4.5 Residual Risk

The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

5. Explanation of Symbols



Mandatory action required



Read the instruction manual



Warning!



Warning Electrical hazard – risk of electrocution!



Voltage



Wattage



Alternating Current



Direct Current



LED Flashlight



USB Output



USB-C Compatible



Lithium-ion battery



Ingress protection rating



Reverse polarity protection



Short-circuit protection



Over-temperature protection



Over-discharge protection



Lithium-ion content



WEEE –

Waste Electrical & Electronic Equipment

Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish

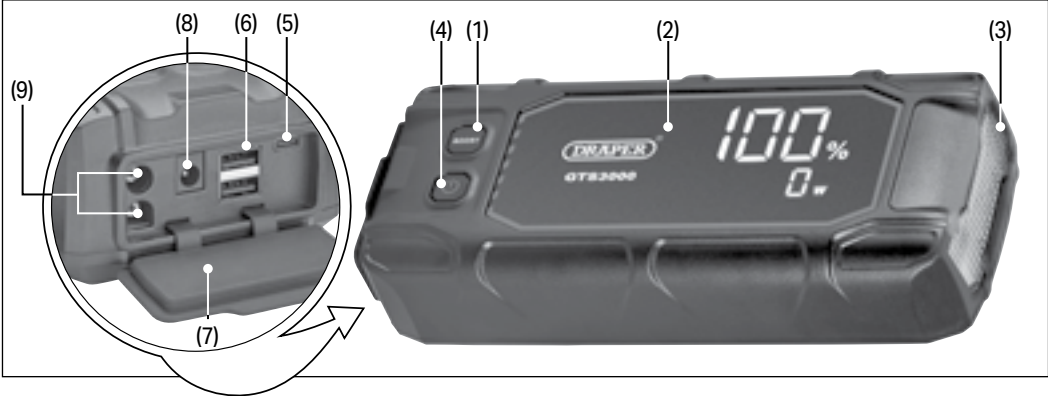


European conformity



UK Conformity Assessed

6.1 Product Overview



- | | | |
|-------------------|-----------------------------|-------------------------------|
| (1) Boost button. | (4) ON/OFF/Function button. | (7) USB port cover. |
| (2) LCD screen. | (5) USB-C Input & Output. | (8) DC Output charger. |
| (3) Flashlight. | (6) USB Output 1 & 2. | (9) Jump Starter cable ports. |

6.2 What's in the Box?

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment.

Before assembling the product, lay the contents out and check them against the parts shown below. If any part is damaged or missing, do not attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.

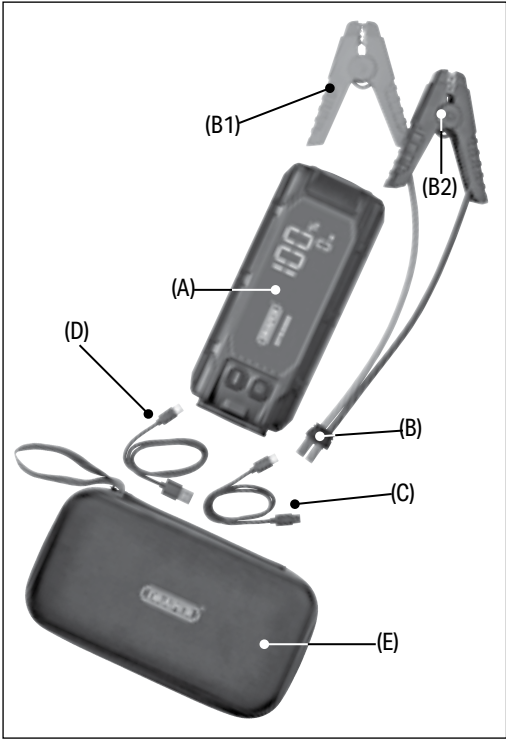
- | | |
|---------------------------|-------------------------------|
| (A) 1 × Jump Starter. | (C) 1 × USB-C cable. |
| (B) 1 × Jump leads. | (D) 1 × USB-C to USB-A cable. |
| (B1) 1 × Red clamp (+). | (E) 1 × Storage case. |
| (B2) 1 × Black clamp (-). | |

6.3 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need to be returned for repair.

 **WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.**

Please visit [drapertools.com](https://www.drapertools.com) for our full range of accessories and consumables.



7. Charging the Product

7.1 Charging the Jump Starter

Note: When using for the first time, ensure that the jump starter is fully charged.

1. To begin charging, connect one end of the USB-C cable to the USB-C input port (5) and the other to a suitable USB power output.
2. Press the ON/OFF button (4) to turn on the product.
3. During charging, the percentage of battery capacity and power will be displayed. When the battery is fully charged, the LCD screen will turn off automatically.

4. Unplug the cable when fully charged.

- Charging with take approximately 12 hours using the USB C input port.

7.2 Using as a Power Bank

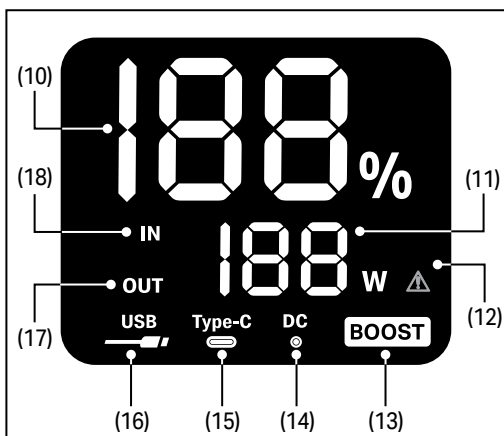
1. Connect your smart phones, tablets, laptops or other electronic devices using the USB cable (D) to either of the USB outputs (6) on the Jump starter.
2. Press the ON/OFF button once to start charging.
3. Unplug the cable when fully charged.

8. Operation Instructions

Important: Before preparing or using this product, read and understand all the safety instructions listed in this manual.

8.1 Display Screen Explained

- (10) Battery capacity percentage (%).
- (11) Charging/discharging power (w).
- (12) Alarm symbol.
- (13) Boost Ready.
- (14) DC output display.
- (15) Type-C charging.
- (16) USB output.
- (17) Output displayed.
- (18) Input displayed.



8.2 Jump Starting the Vehicle

Note:

- This product is for 12V petrol and diesel engine cars only (refer to **3.2 Specifications** to check engine size).
- Before using the Jump Starter check that the battery power is more than 50%.
- Refer to the vehicle's manufacturer instruction manual for specific advice on jump starting and follow their recommended process.

1. Insert the connector end of the clamps into the jump starter cable ports (9).
2. With the engine off, connect the red clamp to the positive (+) terminal (or the vehicle's manufacturer's recommended jump point) and the black clamp to the negative (-) terminal of the car battery (or the vehicle's manufacturer's recommended jump point).
3. Press the ON/OFF button to turn on the jump starter. Then press and hold the **BOOST** button down until 'BOOST' is shown on the screen.
4. Start the car engine.

5. Once the engine has been started, turn off the engine and remove the jump starter clamps.
6. Remove the negative clamp first than the positive clamp.
7. Restart your car.

Note: The jump starter will turn off automatically when no load is detected.

8. If an error occurs during jump starting an alarm will sound and a warning (⚠) will be displayed on the screen (refer to **Troubleshooting section 9.2** for more information).

8.3 Using the built in Flashlight

1. To operate the flashlight, press and hold the ON/OFF button (4) until the light comes on.
2. The light has 3 settings as follows:

Press	Beam Setting
Once	On/High
× 2	S.O.S/Slow flashing
× 3	Fast flashing

4. To turn off the flashlight press the ON/OFF button until the light goes out.
Note: the jump starter display will remain off and will turn off automatically once no load is detected.

9. Maintenance and Troubleshooting

9.1 General Maintenance

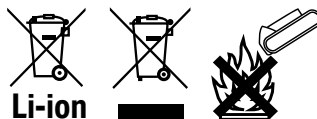
- Check the battery level of the battery at least once every 3 months.
- Keep the product clean and free from dust, debris and grease.
- Use a dry clean cloth to clean the housing of the device.
- Do not use detergents to clean the product.
- When not in use store in a dry well-ventilated area, out of direct sunlight and out of the reach of children.
- The storage temperature should not exceed 60°C.

9.2 Troubleshooting

 Error Mode	Possible Cause	Remedy
Alarm + '9'	Reverse connection.	Correct the connection between the clamp and the battery terminals.
Alarm + '8'	Temperature too high (above 60 °C or too low (Below -20°C).	Restore the temperature of the jump starter to between -20°C to 60°C.
Alarm + '7'	Over-current protection activated.	Stop jump starting the vehicle and wait 30seconds before retrying.
Alarm + '6'	Entered 'safe mode' due to more than 4 attempts to start vehicles within a 10minute period.	Stop jump starting the vehicle and wait 10 minutes before retrying.
Alarm + '5'	Short circuit protection activated. Clamps touching each other. Clamps connected to same piece of metal.	Check that clamps are not touching each other and are not connected to same piece of metal.
Alarm + '4'	Vehicle battery voltage higher than the jump starter.	Disconnect the jump starter from the battery.
Alarm + '3'	Jump starter voltage is too low to start the vehicle.	Charge the jump starter (refer to section 7.1).

- For spare parts, servicing, and repair and replacement options, please contact the Draper Tools Product Helpline for details of your nearest authorised agent.
- Draper Tools will endeavour to hold any spare parts, if applicable, for seven years from the date that it sells the final matching stock item.
- Any servicing or repairs carried out by unauthorised personnel or installation of spare parts not supplied by Draper Tools will invalidate your warranty.
- At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.
- **DO NOT** burn or mutilate batteries; this may release toxic or corrosive substances.



11. Warranty

Draper Tools products are carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, return the complete tool to your nearest distributor or contact Draper Tools directly. Contact information can be found at the back of this manual.

Proof of purchase must be provided.

If, upon inspection, it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covers parts and labour for 24 months from the date of purchase. Where tools have been hired out, the warranty period covers 90 days from the date of purchase.

This warranty does not apply to any consumable parts, batteries or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper Tools repair agent.

In all cases, to make a claim for faulty workmanship or materials within the standard warranty period, please contact or return the product to the place of purchase. Proof of purchase may be required.

If the place of purchase is no longer trading or if you experience any difficulties with your warranty, please contact Customer Services with the product details and your proof of purchase. Contact details can be found at the back of this manual.

If the tool is not covered by the terms of this warranty, repairs and carriage charges will be quoted and charged accordingly.

This warranty supersedes any other guarantees expressed or implied and variations of its terms are not authorised.

Your Draper Tools guarantee is not effective until you can produce, upon request, a dated receipt or invoice to verify your purchase within the guarantee period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

Draper Tools Limited

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