

# Clarke®



## MULTI-FUNCTION JUMPSTARTER

MODEL NO: JSM1000B

PART NO: 6239021

## OPERATING & MAINTENANCE INSTRUCTIONS

UK  
CA | CE



ORIGINAL INSTRUCTIONS

DL0126

---

## **INTRODUCTION**

---

Thank you for purchasing this CLARKE Jump-starter. Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service. Please keep these instructions in a safe place for future reference.

---

## **GUARANTEE**

---

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended. Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

---

## **ENVIRONMENTAL RECYCLING POLICY**

---



Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be disposed of with general household waste but in accordance with the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

# SPECIFICATIONS

Item	Specification
Model Number	JSM1000B
Part Number	6239021
Weight	640g
Size (L x W x H)	190mm x 90mm x 40mm
Max Output Current	Starting 500A Peak 1000A
Watt Hours	29.6 Wh
Max Charge/Discharge Current	2000mA/6000mA
Open Circuit Voltage	12V DC
Output Socket Voltage/Current	2 x USB-A, 5V / 3A
Battery Type	Sealed re-chargeable lithium-polymer 2000 mAh
Estimated engine starting capacity	Up to 3.2 litres (diesel) or 5 litres (petrol)
Lifetime	1000+ cycles
Full charging time	Approx 3-4 hours from flat
Max duration before recharging	3 months
Charging Temperature	0°C to 45°C (32°F to 113°F)
Working Temperature	-5°C to 55°C (23°F to 131°F)
Storage Temperature	-20°C to 65°C (-4°F to 149°F)
Number of starts before re-charging	Approx 30
Protection features	See pages 11-12 for full listing
USB Cable Length	600mm
Jump Lead Length (Including Clamps)	275mm (Red), 235mm (Black)
Work Light	100 Lumen, 2.6-3V, 2.4W
Ingress Protection	IP20

Please note that the details and specifications contained herein, are correct at the time of going to print. However, CLARKE International reserve the right to change specifications at any time without prior notice.

---

## GENERAL SAFETY

---



**WARNING: ALL LEAD ACID BATTERIES GENERATE HYDROGEN GAS DURING NORMAL OPERATION. THIS PROCESS INCREASES DURING A PERIOD OF RAPID CHARGING.**








**WARNING: HYDROGEN GAS AND BATTERY ACID (SULPHURIC ACID) CAN BE EXPLOSIVE, CORROSIVE TO SKIN, EYES AND HAIR, DAMAGING TO CLOTHING AND METALS, FLAMMABLE, POISONOUS TO BREATHE.**

---

1. **DO NOT** leave the device exposed to the elements. Avoid direct sunlight, direct heat, rain/moisture etc.
2. The device must only be used indoors or completely protected from the rain. This also applies to any device being powered by the device.
3. **DO NOT** operate the device if any of the cables are damaged, If the jumpstarter expands, leakage or peculiar smell is found, stop use immediately. Consult your CLARKE dealer for repair or replacement of the parts.
4. **DO NOT** operate the device if the case is damaged. Consult your CLARKE dealer or a qualified person for inspection and repair.
5. To prevent the battery from overheating and consequent damage, **DO NOT** exceed our recommendations for the duration of jump starting. **DO NOT** start the vehicle continuously, between starting twice you should allow an interval of at least 30 seconds to 1 minute.
6. The unit is **NOT** designed to be used as a replacement for a vehicle battery.
7. **NEVER** allow the battery to become completely discharged.
8. **NEVER** jump start the engine whilst the unit is being charged.
9. **NEVER** attempt any repairs yourself. If you have a problem with the unit contact your local CLARKE dealer. **DO NOT** disassemble the jumpstarter.
10. **ALWAYS** keep your body and clothing dry. **NEVER** work in a damp area without adequate insulation against electric shock.
11. **ALWAYS** wear safety glasses when working with lead acid batteries. **ALWAYS** wear suitable protective clothing and eye protection when working with lead acid batteries.
12. If splashed by battery acid, immediately flush the area of the splash with clean water. If a burning sensation is felt or any blistering occurs, seek medical help.
13. If battery acid comes into contact with the eyes, flush the eyes with clean water continuously and seek medical help.
14. **ALWAYS** ensure that there is air circulating around the unit when in use.

15. Ensure the vehicle battery posts and battery clamps are perfectly clean before use.
16. Connect the red clamp to the unearthed battery terminal first, (this is usually the positive (+ve) terminal and coloured RED); then connect the black clamp to the earthed battery terminal, (this is usually the negative (-ve) terminal and coloured BLACK).
17. Only use this jumpstarter on lead acid batteries.
18. **NEVER** short circuit the jumpstarter by connecting the Red and Black clamps or letting them touch the same metal object.
19. If children are using this product as a device charger, **ALWAYS** make sure they are under adult supervision.
20. Store in a dry place out of reach of children, **DO NOT** expose to damp conditions or near corrosive materials.
21. **ALWAYS** use this jumpstarter at the recommended temperatures, see page 3 for more information.
22. When the battery power is less than 10%, **DO NOT** use the jumpstarter as it may damage the unit.
23. Before first use, charge until 100% fully charged.

## SAFETY SYMBOLS

	Read the instruction manual		Wear Eye Protection
	Wear Protective Gloves		<b>DO NOT</b> incinerate
	Indoor use only		Harmful to aquatic life
	Warning: Battery Charging		Warning: Risk of electrical shock

# OVERVIEW



NO	DESCRIPTION	NO	DESCRIPTION
1	Display/Indicator Screen	6	USB Type C Input: 5V/3A
2	Power Button	7	EC5 Jumpstarter Lead Output
3	Light Button	8	LED Worklight
4	USB Output: 5V/3A	9	EC5 Jumpstarter Lead and Clamps
5	USB Output: 5V/3A	10	USB - USB Type C Lead

---

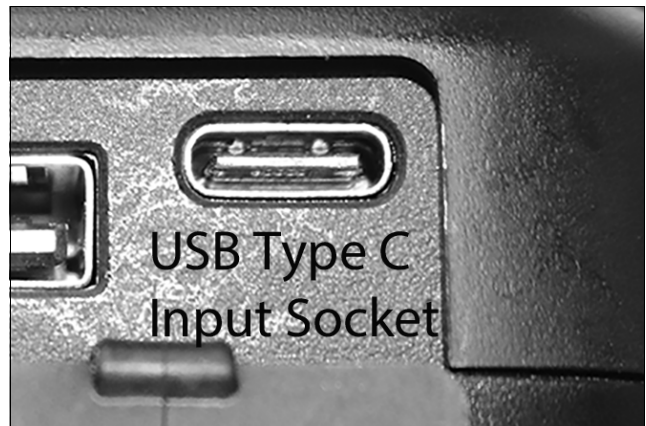
# CHARGING THE DEVICE

---

## CHARGING

You can charge the jumpstarter using:

- The 12V DC car adapter to USB C Type lead (not supplied).
  - A device with a USB output socket, using the lead supplied.
  - You can also use a USB-Type C to USB-Type C for fast charging (not supplied)
1. Switch the jumpstarter off.
  2. Plug the USB charging cable into the jumpstarter USB Type C input socket and the other end to a suitable USB charging appliance.
    - If you are using a car adapter lead you will need to start the engine.
  3. Disconnect the charger when fully charged.



**NOTE:** No output socket will work while the device is charging.

## THE LED CHARGE INDICATOR

Press the Power button to display the battery status of the device. The screen shows the percentage of power available. (100% is fully charged).

- When jumpstarting, the power indicator should show at least 80%. Recharge the device if required.
- The unit should hold a charge for 3-6 months but we recommend recharging at least every 3 months.







## TO GET THE MAXIMUM LIFE FROM THE BATTERY

- Charge the jumpstarter before first use.
- Charge after every use.
- **DO NOT** leave in a state of discharge.

## CAUTION SYMBOLS

The following symbols may light up on the display screen. If they do, follow the solution for each.

Symbol	Reason	Solution
	Remains red when battery percentage is below 50%	Be prepared to recharge the jumpstarter after current usage
	Flashes red when the battery percentage is below 30%	Be prepared to recharge the jumpstarter after current usage
	Remains red when high temperature protection activated	Let the jumpstarter cool down before using again
	Remains red when low temperature protection activated	The ambient temperature is too low to use the jumpstarter. Move jumpstarter to a warmer environment before trying to use again

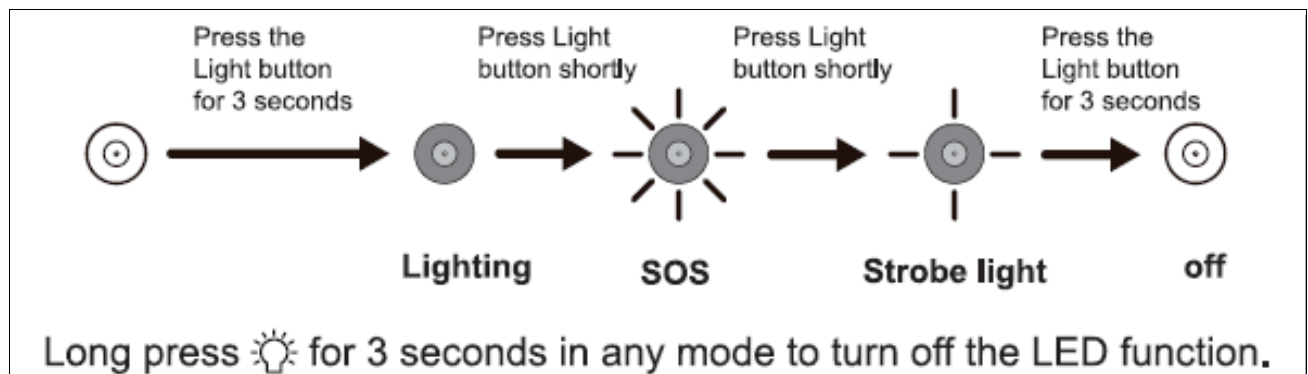
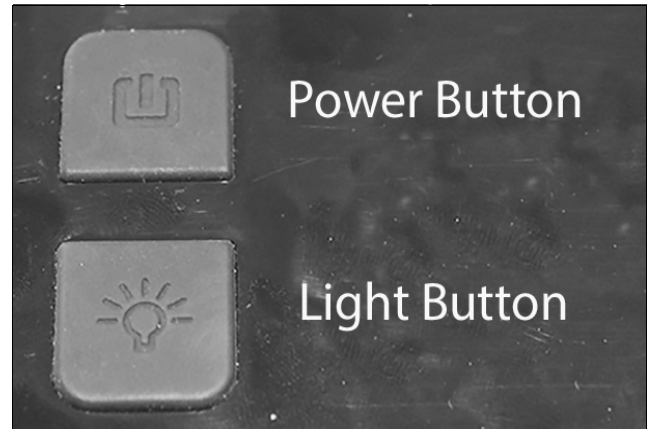
# WORKLIGHT AND DEVICE CHARGING

## WORKLIGHT

1. Push the Power button.

**NOTE:** The battery capacity indicator will light up. If no device is connected to the unit, it will turn off automatically.

2. Press and hold the Light button for 3 seconds to turn on the LED light.
3. When the LED flashlight is on, press the Light button again to cycle through the following settings.

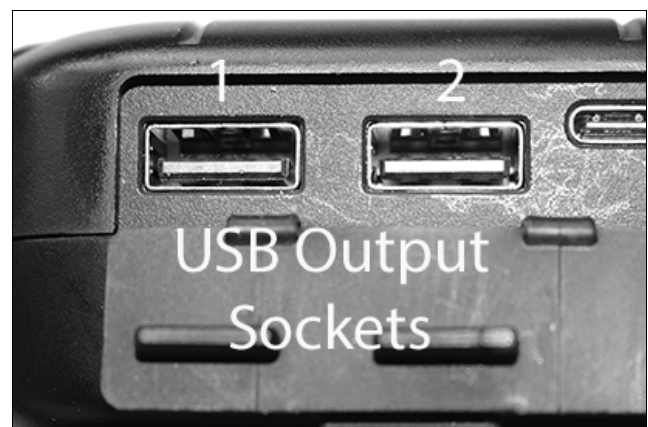


4. Push and hold the Light button for 3 seconds to turn the work light off.

## USB OUTPUT POWER SUPPLY

The USB sockets supply a maximum of 3A at 5V. Two devices can be charged at the same time.

1. Press the Power button.
2. Plug USB plug of a charging cable into either of the USB output sockets.
3. Plug the other end of the charging cable into the charging port of the device to be charged.



---

# JUMP STARTING VEHICLES

---



**WARNING: IT IS POSSIBLE THAT SOME ELECTRONIC EQUIPMENT COULD BE DAMAGED BY JUMP STARTING. ALWAYS CHECK WITH THE CAR MANUFACTURER'S HANDBOOK TO DETERMINE WHAT PRECAUTIONS IF ANY SHOULD BE TAKEN.**

**WARNING: FAILURE TO FOLLOW THE INSTRUCTIONS BELOW AND THE SAFETY INSTRUCTIONS ON PAGES 4/5 MAY RESULT IN PERSONAL INJURY, DAMAGE TO THE VEHICLE OR BATTERY. NEVER ATTEMPT JUMP STARTING WITH DAMAGED CABLES.**

---



**CAUTION: TO AVOID DAMAGE TO THE VEHICLE'S ELECTRICAL SYSTEM, DO NOT USE THE JUMP STARTER ON A VEHICLE THAT HAS NO BATTERY INSTALLED.**

**CAUTION: DO NOT TOUCH POSITIVE AND NEGATIVE BATTERY CLAMPS TOGETHER.**

---

**NOTE:** This device will not jumpstart a vehicle if the battery is very low. Check the display to determine the charge status. Make sure that the jumpstarter power pack is at least 80% charged before you attempt to jumpstart.

## CONNECTING THE JUMPER CABLE TO THE JUMPSTARTER

1. When jumpstarting, the power indicator lights must be lit. Recharge the device if required.
2. Lift the rubber plug and insert the dual pin connector of the jumper cable into the EC5 output socket.



## CONNECTING THE LEADS TO THE VEHICLE BATTERY

**ALWAYS** carry out the following preliminary checks before connecting the jumpstarter to the car battery:

- Switch off the vehicle ignition and **ALL** ancillary equipment (lighting, radio etc.)

- Ensure the vehicle battery is rated at 12V and not damaged in any way.
  - Ensure the area is well ventilated.
  - Make sure that the battery terminals are clean and the clamps are firm and secure.
  - If fitted, remove any vehicle battery filler plugs and check the electrolyte level. If necessary, top up with distilled water.
  - Verify the jump starter is fully charged and recharge if needed.
  - Make sure that the jumpstart is OFF.
1. Connect the red positive (+) clamp to the positive (+) battery terminal first. Take care the clamp does not touch any moving parts or fuel lines.
  2. Connect the black clamp to the earthed battery terminal, (this is usually the negative (-ve) terminal and coloured BLACK) or to a suitable earthing point on the vehicle chassis ensuring the connections are firm and secure.

## **STARTING THE ENGINE**

1. Push the ON/OFF button on the jumpstarter to start supplying power.
2. Switch on the vehicle ignition. The engine should start.
3. Switch or press the ignition to 'start'. If the engine does not start SWITCH OFF the ignition and wait for at least 30 seconds before trying again.
4. If the vehicle does not start after 3 attempts, investigate any problems with the vehicle systems.
5. Once the engine is running, disconnect the earthed clamp FIRST i.e. that connected to the chassis or Negative terminal etc, then disconnect the Positive clamp from the battery terminal. **You should remove the connections within 30 seconds of starting.**
6. Leave the vehicle engine running for a while to let the alternator recharge the battery.
  - Take great care not to touch the red positive (+) clamp against the black negative (-) clamp.
7. Leave the jumpstarter for 30 minutes before re-charging following jumpstarting a vehicle.
  - If the battery is allowed to remain in a discharged state its life may be reduced.
  - The jumpstarter will power off automatically when no load is found.

## JUMPER CLAMP INDICATOR INSTRUCTION

There are red and green indicators on the EC5 jumpstarter lead to show the following:

Item	Technical Parameters	Instruction
Standby Indication	Support	When the clamps are in standby state, the RED and GREEN lights flash alternatively
Work Instructions	Support	When the clamps are in the conduction working state, the GREEN light is always on.
Input High Voltage Protection	17.5V $\pm$ 0.5V	When the clamps are in standby mode and the voltage at the EC5 terminal is higher than this value, the protection will be triggered The RED light will always be on and the protection will be automatically released after the fault is eliminated.
Input Low Voltage Protection	14V $\pm$ 0.4V	When the clamps are in standby mode and the voltage at the EC5 terminal is higher than this value, the protection will be triggered The RED light will always be on and the protection will be automatically released after the fault is eliminated.
High Temperature Protection	Support	When the detected temperature of the clamps is $\geq 80^{\circ}\text{C} \pm 10^{\circ}\text{C}$ , the output is automatically disconnected. The RED light is always on and the BUZZER does not sound. When the temperature of the clamp is lower than the protection value, the protection is automatically released.
Reverse Polarity Protection	Support	When the clamps are reversely connected to the vehicle battery that is higher than 1.0V, the protection will be triggered. The RED light will always be on and the BUZZER will continue to beep, beep, beep for a short time, and the protection will be automatically released after the fault is eliminated.
Anti Charge Protection	Support	When the protection is triggered, the output is automatically disconnected and the RED and GREEN lights flash alternately. The protection can automatically released after the fault is eliminated.

<b>Item</b>	<b>Technical Parameters</b>	<b>Instruction</b>
Start Overrun Protection	Support	During the conduction process, the clamps detect that the voltage of the start port is lower than 7.0V and lasts for 0.5sec, the unit automatically disconnects the output. The RED light is always on and the BUZZER does not sound. It needs to be powered on again to release the protection.
Boot Timeout Protection	Support	<ol style="list-style-type: none"> <li>1. After the vehicle is correctly connected, it has not been started. The output will be automatically disconnected after the clamp is turned on for 30 seconds and the RED light is always on. It needs to be powered on again to release the protection.</li> <li>2. The voltage at the start port of the clamp detection drops by <math>3.0V \pm 0.2V</math> and it is judged to start the vehicle. At this time, the clamps continues to conduct for 5 seconds and then disconnects the output. The RED light is always on, and it needs to be powered on again to release the protection.</li> </ol>
Short Circuit Protection	Support	In the standby state, when the red/black clamps are short-circuited, there will be no sparks and no damage. When the protection is triggered, the RED light will always be on and the BUZZER will sound for a long period.

---

## DAILY CARE

---

Always ensure the cables & clamps are in good condition and the clamps are clean and corrosion free. If damaged they should be replaced. Keep the unit clean by wiping with a dry cloth. **DO NOT** use solvents as a cleaning agent.

Keep the unit fully charged at all times and always store away from direct sunlight, moisture or sources of extreme heat or cold.

**NEVER** attempt any repair unless you are a qualified technician. Your jumpstarter has been designed to give long and trouble free service. If, however, having followed the instructions in this booklet carefully, you encounter problems, take the unit to your local CLARKE dealer.

---

## TROUBLESHOOTING

---

Problem	Reason	Solution
Nothing happens when pressing the power button.	The voltage of the device is really low and triggers the low power protection to shut down the device.	Plug a power source into the device to recharge it.
No response to charging.	Type C data cable damage.	Replace the Type C cable and keep it charged for 4-5 hours before observing.
No USB cable/ damaged cable	Missing packaging/ damaged in transit.	Contact the CLARKE service department for a replacement.

# DECLARATIONS OF CONFORMITY

**UKCA**

**Clarke**  
INTERNATIONAL

Hemmill Street, Epping, Essex, CM16 4LG

**DECLARATION OF CONFORMITY**

**This is an important document and should be retained.**

We hereby declare that this product(s) complies with the following legislation:

2023/1542 *Battery Regulation*  
2014/30/EU *Electromagnetic Compatibility Directive*  
2011/65/EU *Restriction of Hazardous Substances (RoHS) Directive*


**The following standards have been applied to the product(s):**

EN 55032:2015+A1:2020+A11:2020, IEC 62321-4:2013+AMD1:2017, EN 55035:2017+A11:2020,  
IEC 62321-3-1:2013, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-5:2013,  
IEC 62321-6:2015, IEC 62321-8:2017

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

**The UKCA mark was first applied in: 2025**

**Product Description:** Jump Starter  
**Model Number(s):** JSM1000B  
**Serial/Batch Number:** Refer to product/packaging label  
**Date of Issue:** 10/11/2025

Signed:   
J.A. Clarke  
Director

JSM1000B UKCA Clarke DOC 111025 Page 1 of 1

**CE**

**Clarke**  
INTERNATIONAL

Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

**DECLARATION OF CONFORMITY**

**This is an important document and should be retained.**

We hereby declare that this product(s) complies with the following legislation:

2023/1542 *Battery Regulation*  
2014/30/EU *Electromagnetic Compatibility Directive*  
2011/65/EU *Restriction of Hazardous Substances (RoHS) Directive*

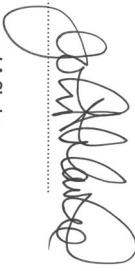
**The following standards have been applied to the product(s):**

EN 55032:2015+A1:2020+A11:2020, IEC 62321-4:2013+AMD1:2017, EN 55035:2017+A11:2020,  
IEC 62321-3-1:2013, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-5:2013,  
IEC 62321-6:2015, IEC 62321-8:2017

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

**The CE mark was first applied in: 2025**

**Product Description:** Jump Starter  
**Model Number(s):** JSM1000B  
**Serial/Batch Number:** Refer to product/packaging label  
**Date of Issue:** 10/11/2025

Signed:   
J.A. Clarke  
Director

JSM1000B CE Clarke DOC 111025 Page 1 of 1

# A SELECTION FROM THE VAST RANGE OF

# Clarke®

## QUALITY PRODUCTS



**AIR COMPRESSORS**  
From DIY to industrial, Plus air tools, spray guns and accessories.

**GENERATORS**  
Prime duty or emergency standby for business, home and leisure.

**POWER WASHERS**  
Hot and cold, electric and engine driven - we have what you need

**WELDERS**  
Mig, Arc, Tig and Spot. From DIY to auto/industrial.

**METALWORKING**  
Drills, grinders and saws for DIY and professional use.

**WOODWORKING**  
Saws, sanders, lathes, mortisers and dust extraction.

**HYDRAULICS**  
Cranes, body repair kits, transmission jacks for all types of workshop use.

**WATER PUMPS**  
Submersible, electric and engine driven for DIY, agriculture and industry.

**POWERTOOLS**  
Angle grinders, cordless drill sets, saws and sanders.

**STARTERS/CHARGERS**  
All sizes for car and commercial use.



## PARTS & SERVICE: 0208 988 7400

**Parts Enquiries**  
[Parts@clarkeinternational.com](mailto:Parts@clarkeinternational.com)

**Servicing & Technical Enquiries**  
[Service@clarkeinternational.com](mailto:Service@clarkeinternational.com)

SALES: UK 01992 565333 or Export 00 44 (0)1992 565335

**Clarke® INTERNATIONAL** Hemnall Street, Epping, Essex CM16 4LG  
[www.clarkeinternational.com](http://www.clarkeinternational.com)