



USER MANUAL



SP61073

**1600A JUMP
STARTER LI+
COBALT HIGH
DENSITY POWER
BANK**

**RETAIN THESE INSTRUCTIONS
AND ATTACH RECEIPT TO
MANUAL FOR FUTURE
REFERENCE**

NOTE: Proof of purchase must be retained by the customer as it will be required in the event of a claim under warranty.



AFTER SALES SUPPORT:

WWW.SPTOOLS.COM

AUSTRALIA: Visit the website's **contact page** to get in touch with your local service department.

INTERNATIONAL: Use the **county selector** to get in touch with your service department in your country or region.



IMPORTANT

ALL PERSONS WHO ARE TO USE THIS EQUIPMENT MUST THOROUGHLY READ AND UNDERSTAND THIS INSTRUCTION MANUAL PRIOR TO OPERATION.

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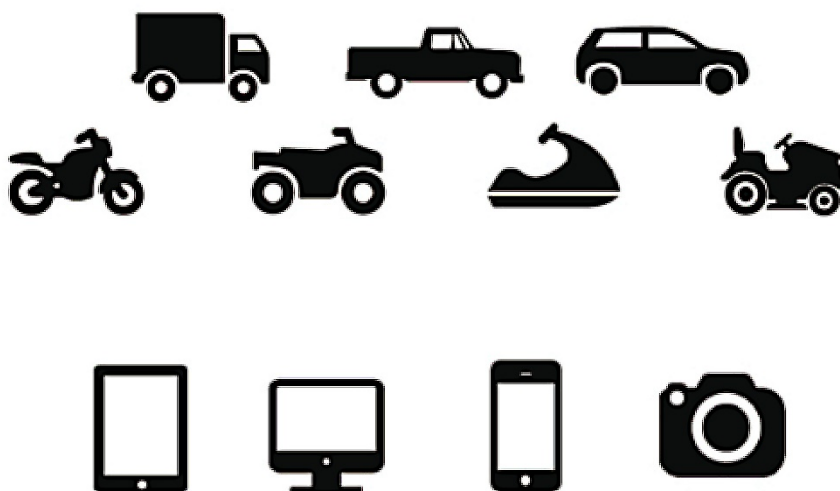
INTRODUCTION

This very compact Li⁺ Cobalt Power Bank, Jump-starter features high density cells designed to for high current output, making it ideal for the jump-starting petrol or diesel engines up to 10 litres in capacity.

It can also be used to charge most of your portable electronic devices, which can also be a lifesaver in an emergency situation, just when you need your mobile phone the most.

Suitable for jump starting vehicles fitted with “Lead-acid, AGM / Calcium” or “Gel” type automotive batteries. The Li⁺ Cobalt Power Bank provides additional battery capacity, allowing vehicles with low battery voltage, to be started quickly and easily.

The Micro-Processor Controlled Li⁺ Power Bank, with LED display allows users to accurately monitor the charge status percentage as well as read any warnings displayed due to incorrect operation.

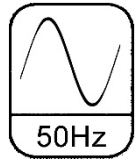
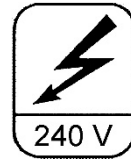


The SP61073 Li⁺ Cobalt Power Bank, Jump-starter, automatically provides reverse polarity and short circuit protection, preventing serious battery damage, in the event of miss-connection.

⚠️ WARNING

Safety Instructions for Charger & Battery

1. Do not use a damaged appliance. If the electrical cord of the charger is damaged have it repaired or replaced by a qualified repair agent immediately.
2. Do not charge the Li⁺ Cobalt Power Bank, Jump-starter inside a box or container; place it in a well-ventilated area during charging.
3. Avoid flames and sparks - ensure the area is well ventilated.
4. Do not short the battery or bridge the terminals or clamps with any conductive materials or use with accessories other than those supplied with this product.
5. Do not expose jump starter to water or rain, make sure you have dry hands when operating.
6. Ensure you have read the instruction manual in full.
7. This unit is for dry use only, do not expose to rain or excessive dust.
8. Be careful not to drop or strike the Li⁺ Power Bank.
9. Disconnect from 240volt supply before making or disconnecting connections to the battery.
10. This unit is for jump starting 12volt vehicles only.
11. This appliance is not for use with non-rechargeable batteries.
12. Never charge a frozen battery.
13. The Li⁺ Cobalt Power Bank is for jump starting a vehicle only, it is not intended to be used in place of a battery or as a battery charger.
14. Store unit in a cool dry environment. Do not expose to temperatures exceeding 60°C or below -20°C



Intended Use

- Only for use in non-explosive, dry environments.
- Never use or put the unit down in any liquid, oil or water.

As Jump starter: The Li⁺ Cobalt Power Bank is intended for use on 12V vehicles petrol and diesel up to 10 litres.

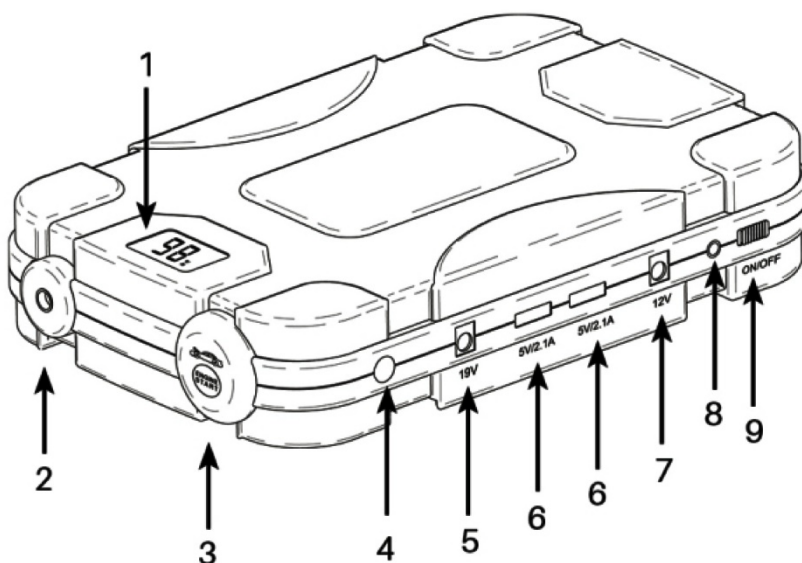
As Power supply: The Li⁺ Cobalt Power Bank is intended for use with 19 volt and 12 volt portable devices.

As Recharging station: The Li⁺ Cobalt Power Bank is intended for recharging or extending the operating time of portable devices designed to be connect via two 5V/2.1A USB port. eg mobile phones, tablets and cameras etc.

Technical Features:

- Built-in microchip monitoring system saves Li⁺ cells from damage
 - ✓ **Reverse polarity protection**
 - ✓ **Over discharge protection**
 - ✓ **Over charge protection**
 - ✓ **Short circuit, safety feature**
 - ✓ **Reverse charge protection**
 - ✓ **Over temperature protection**
- LCD display shows mode, charge percentage & warnings
- LED Torch, Strobe and SOS
- Dust and water resistant
- Auto Power Off

1. LED Display
2. Flashlight
3. Battery terminal socket
4. Flashlight Power Button
5. 19V output, 3.5A
6. 5V output, 2.1A
7. 12V output, 3.5A
8. 18V input, 1.5A
9. Power ON/OFF

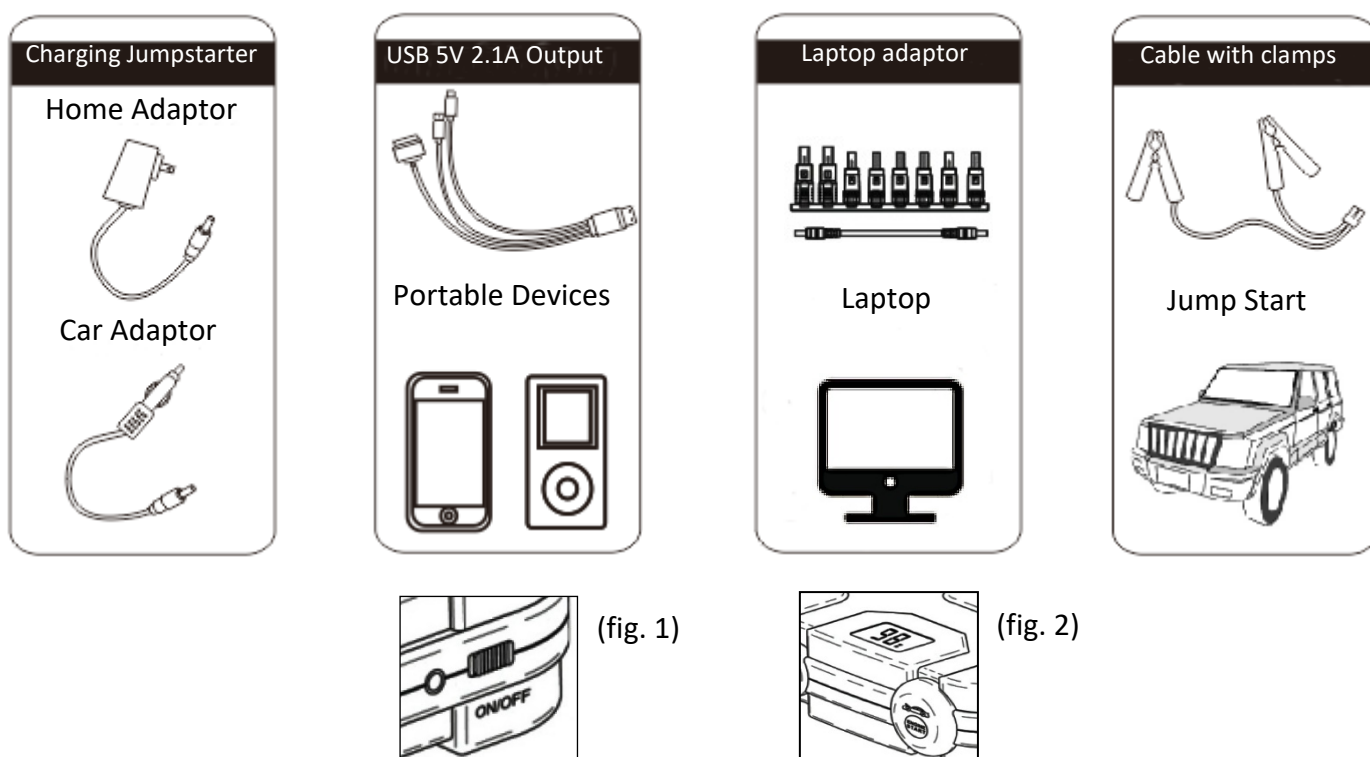


Technical Specification:

Input:	18V – 1.5A
12V via jump start output port:	Jumpstart (max clamp opening 45mm)
12V port:	Power or charge 12V accessories
19V port:	Power or charge 19V laptops
5V USB 2.1A output:	Mobile phones, Tablets, Cameras etc.
Battery Capacity:	28000mAh
Start Current:	800A
Peak Current:	1600A
Operating Temp:	-20°C ~ +60°C
Full Charge Time:	4 hours (240V wall charge) – 8 hours (12V DC
Lifetime:	>1000 cycles
Dimensions (mm):	183 x 119 x 45 (unit only) / 330 x 275 x 90 (case)
Weight:	1.08kg (unit only) / 2.92kg (when stored in case)

Operation:

How to use:



1. The power display:

Turn the switch to the “ON” position (fig. 1), the LED display (fig. 2) will show the battery charge percentage of the Li⁺ Power Bank, operation function and warnings (the Li⁺ Power Bank requires minimum of 30% charge when jumpstarting your vehicle).

2. Li⁺ Power Bank Charging Instruction:



The Li⁺ Cobalt Power can be connected to home (240v) or car charger (12v), once input power is connected the display flashes red with the word "IN".

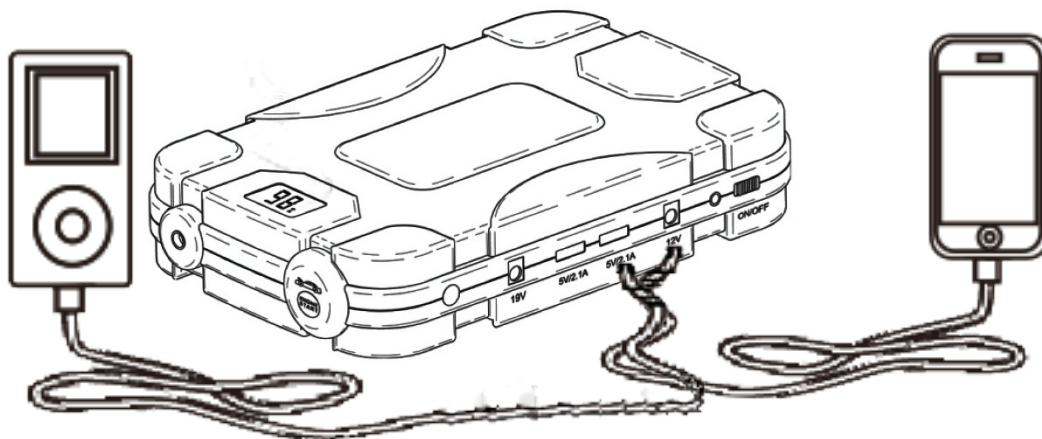
240v charging:

Plug the home adaptor into the 240v power point, next connect to the 18V 1.5A input port of the Li⁺ Cobalt Power Bank. Once charged the display will show at 100%, disconnect and remove the home adaptor from the power point.

12v in vehicle charging:

Plug the 12v car adaptor into the 12v socket of the vehicle; next connect the other end of the adaptor cable to the 18V 1.5A input port of Li⁺ Cobalt Power Bank. When fully charged the display will show 100%. Disconnect and remove the adaptor from the 12v power socket of the vehicle.

3. USB Output Charging Cell Phone or Tablet:



Turn the power button to the "ON" position. Insert matching 4 in 1 Mobile Adaptor (or other USB charging cable) into USB port and attach the device that needs to be charged.

4. Power or Charge 12V & 19V Devices / Laptop

Turn the power button to the “ON” position. Insert the power lead (fig. 3) into the correct output socket on your Li⁺ Power Bank, you can choose between 12V 3.5A or 19V 3.5A (fig.4).

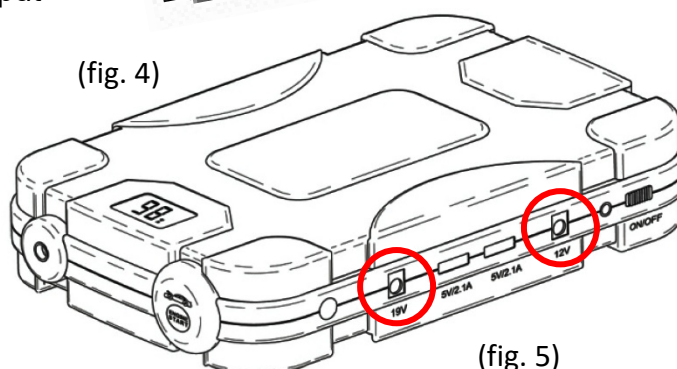
Note: To avoid damaging your laptop, confirm the correct charging/powering voltage before connecting to the Li⁺ Power Bank.

For use with a laptop select the correct power adaptor (fig. 5) to suit the power input port on your laptop, you can now connect the laptop to the power lead to start charging your device.

(fig. 3)



(fig. 4)



(fig. 5)



5. LED flash light:

To activate the LED flashlight, turn the power button to the “ON” position, next press and hold the Flashlight Power Button for 3 seconds. To switch between modes, press the switch again to change to Strobe, press the switch again to change to SOS, press the switch again to turn off the flashlight.

6. 12V Jump Start:

Jump start 12V vehicle Instruction: Ensure the Li⁺ Cobalt Power Bank is **at least 30% charged**.

1. Insert Jumper leads supplied with Li⁺ Power Bank into the jump starter output port (next to the LED light). Turn the power button to the “ON” position.

2. Connect the RED clamp to the vehicle's battery positive (+) terminal and connect the BLACK clamp to the vehicle's battery negative (-) terminal.

3. Turn the ignition key to the first position so that the Li⁺ Power Bank detects a current draw and activates properly (for push button systems, push the ignition button twice without depressing the brake to engage the smart cable).

4. When the LED Screen displays a solid Green “8” you have a proper connection and are ready to start the vehicle. If the LED screen shows a solid red “8” or alternating red/green “8” refer to the trouble shooting guide on page 9.

5. If the Li⁺ Power Bank displays a solid green “8” you have a proper connection and you can start the engine. **Note:** Do not hold the key ON for more than 4 seconds at a time.

Warning: If the engine does not start initially, allow the Li⁺ Power Bank to rest and cool for at least 30 seconds before any other starting attempts.



6. Once the vehicle has started turn the power button to the “OFF” position, remove jumper cable from Li⁺ Power Bank and disconnect RED and BLACK clamps from the vehicle battery terminals.

7. **Note:** Once the engine is running, be sure to allow enough time for the vehicles alternator to restore charge to the vehicles battery before turning it off again.

7. Troubleshooting

FAULT	CAUSE	REMEDY
LED display shows a solid red “8” accompanied by long continuous beeping.	Reverse polarity connection. Jumper leads are connected to the wrong terminals on the vehicles battery.	Remove jumper leads from battery and connect them to the correct terminals as per instructions on page 8 of this owner’s manual.
LED display shows solid red “8” accompanied by short continuous beeping.	Short circuit protection. There is a short circuit between the jumper leads.	Remove clamps from vehicle battery, check for short circuits. If short circuit is caused by damage to the jumper leads, discontinue use until replacement leads are available.
LED display shows solid red “8” accompanied by short fast continuous beeping.	Over-heat protection. The Li ⁺ Power Bank has become too hot.	Remove clamps from vehicle battery, Allow the unit to cool sufficiently before next use.
LED display shows solid red “8” accompanied by 2 short fast beeps.	Over-discharging protection. The Li ⁺ Power Bank is low on charge.	Recharge the Li ⁺ Cobalt Power Bank.
LED display flashing Green/Red “8”.	The Li ⁺ Power Bank is searching for a connection.	Ensure battery terminals are clean (free from corrosion) and re-check connections.
All error codes with a solid red “8” being displayed can be reset by turning the Li ⁺ Cobalt Power Bank off and on.		

LIMITED WARRANTY

This Limited Warranty applies only to new products* distributed by SP Tools Pty Ltd ("SP Tools"). It is a condition of this Limited Warranty Policy that the purchaser read the owner's manual for the product and only use the product to the extent or for the purposes stated therein. The purchaser must also ensure that all servicing requirements are completed as listed in the owner's manual (said servicing is at the owner's expense). We recommend that all servicing is completed by an authorised service agent and that records of said servicing are retained by the purchaser as proof in the event of a warranty claim.

Whilst the owner's manual, packaging, and/or other documentation supplied with SP Tools' products may provide details in respect of a Limited Warranty, the terms set out herein supersede these matters, and this Limited Warranty applies in their place. This warranty is no less advantageous than otherwise described in such other documentation.

SP Tools agrees, subject to the terms and conditions specified below, to repair or replace at SP Tools' cost, the product purchased by you when the product does not perform in accordance with its specifications during the limited warranty period, due to any fault in manufacturing, materials and/or workmanship. SP Tools is not liable to repair or replace products that the purchaser uses in a manner that is inconsistent with the owner's manual or in the circumstances set out in paragraphs 1.1 – 1.7 below.

The benefits to the purchaser under this warranty are in addition to other rights and remedies under the *Competition and Consumer Act 2010* (Cth). The limited warranty period, within which a defect in the product must appear, commences from the date of purchase and ceases on expiration of the specified term below.

THE LIMITED WARRANTY PERIOD

- SP Speciality Tools – 12 Months



THE PURCHASERS ATTENTION IS DRAWN TO THE FOLLOWING

To the extent permitted by law and subject to this Limited Warranty, and as part of the terms of the sale of the equipment or part thereof: SP Tools shall not be liable for any form of loss, damage, cost, injury or harm of any kind (whether direct, indirect, special or consequential) howsoever arising from the use or supply of the equipment to the purchaser.

EXCLUSIONS TO LIMITED WARRANTY POLICY

This Limited Warranty will not apply where the equipment or any part thereof:

- 1.1 Fails due to an accident (including liquid spillage), abuse, misuse, neglect or normal wear and tear;
- 1.2 Has been used in a manner other than for which it was originally designed;
- 1.3 Has been tampered with or is otherwise than as supplied by SP Tools;
- 1.4 Where any damage, malfunction or other failure of the equipment or any part thereof resulted directly or indirectly from unauthorized persons, adjusting or failing to adjust any part requiring normal maintenance and service (examples include adjustment of tappets, air filter maintenance, lubrication and tightening of screws nuts and bolts);
- 1.5 Malfunctions due to the use of defective or incompatible accessories;
- 1.6 Is damaged by lightning or thunderstorm activity; or
- 1.7 Has been transported to a country where no authorised Service Agents exist.

CLAIMING WARRANTY

This Limited Warranty may be claimed on in the following manner:

- 2.1 In order to make a claim under this Limited Warranty, the purchaser must deliver the equipment or any part thereof to an SP Tools authorised repair agent and pay all costs of transportation and all costs incidental to making a claim under this Limited Warranty. The purchaser must first contact SP Tools (contact details described above) and request the delivery address of an SP Tools authorised repair agent.
- 2.2 The purchaser must deliver to the repair agent written reasons why the purchaser considers that the purchaser has a claim under this Limited Warranty and must provide all necessary details, including:
 - The place, date and from whom the unit or part was purchased.
 - The unit or part involved, Model and Serial Number.
 - The defect, malfunction or failure in respect of which the claim is being made.
 - Proof of service of the unit or part (if applicable)
 - Proof of purchase in respect of the unit or part.
- 2.3 If the Limited Warranty claim is valid, the repair agent will carry out repairs and return the product at no charge to the purchaser. These repairs are limited to the Limited Warranty fault identified and as such will not include any other faults due to misuse, abuse, failure to maintain, fair wear and tear or the replacement of serviceable items such as oil, spark plugs, air filters, fuel etc.

Our goods come with guarantees that cannot be excluded under Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Note: Units which are failing to perform in accordance with specifications due to non-warrantable causes will be subject to freight, repair and or quote charge