



USER MANUAL



SP61071

**LI+ POWER BANK
JUMP STARTER
700A**

**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 highly-portable and compact Li⁺ Power-bank, Jump-starter, does everything a regular-sized jump starter will do only in a much smaller and lighter package.

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⁺ Power-bank provides additional battery capacity, allowing vehicles unable to start due to low battery voltage, to be started quickly and easily.

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

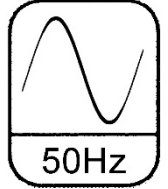
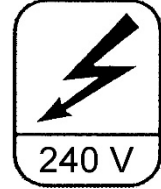


The SP61071 Li⁺ Power-bank, Jump-starter, automatically provides reverse polarity and short circuit protection, preventing serious battery damage, in the event of miss-connection.

Safety Instructions for Charger & Battery

WARNING

1. Do not use a damaged appliance. If the electrical cord of the charger is damaged have it repaired or replaced by a qualified electrician immediately.



2. Do not charge the Li⁺ 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.
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. For use by responsible persons only do not allow to be operated by children or untrained persons without supervision.

Intended Use

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

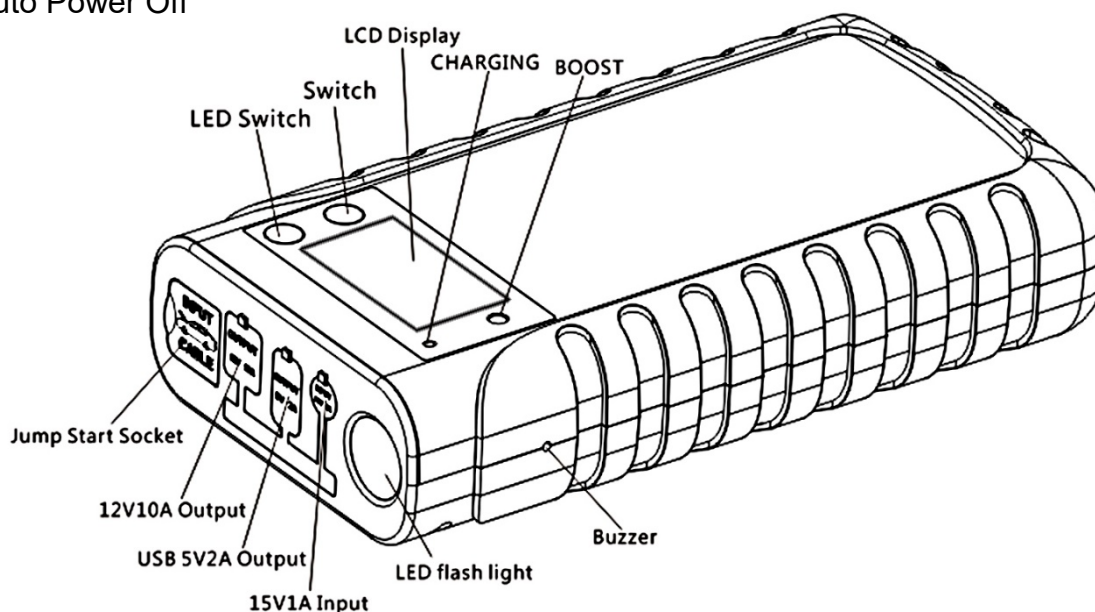
As Jump starter: The Li⁺ Power-bank is intended for use on 12V petrol vehicles up to 6.0L, and 12V diesel vehicles up to 3.0L.

As Power supply: The Li⁺ Power-bank is intended for use with 12volt portable devices that draw less than 10amps. eg camping lights, personal fan, radio etc.

As Recharging station: The Li⁺ Power-bank is intended for recharging or extending the operating time of portable devices designed to be connect via a 5V/2A 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

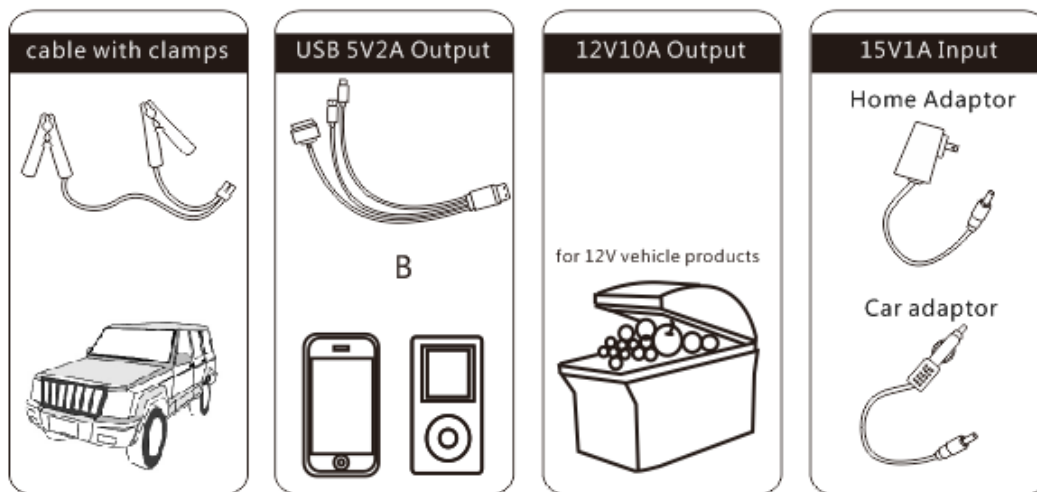


Technical Specification:

Input:	15v / 1A
12V Output:	Jumpstart Accessories less than 10 amps
5V USB 2A output	Mobile phones, Tablets, Camera's etc.
Battery Capacity:	15000mAh (55.50Wh)
Start Current:	250A
Peak Current:	500A
Operating Temp:	-20°C ~ +60°C
Full Charge Time:	5 hours
Lifetime:	>1000 cycles
Dimensions:	181 x 95 x 40mm
Weight:	610g

Operation:

How to use:

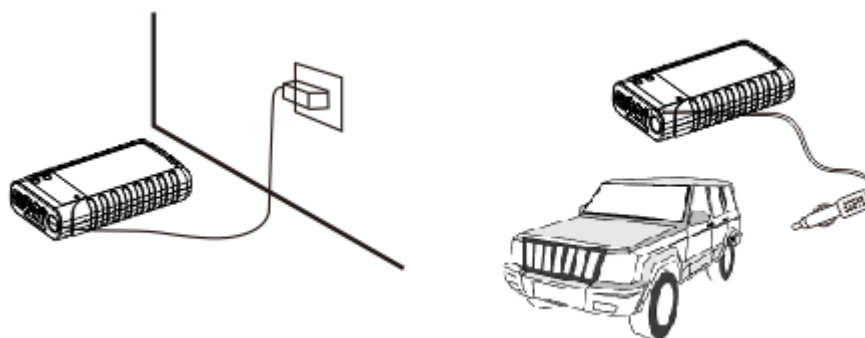


LCD Display Description:

1. The power display:

Press switch button  , display "BATTERY", also shows the host power. Show XX%, indicating that the battery has a XX% of the electricity; display "BATTERY LOW RECHARGE", indicates that Li⁺ Power-bank power is low, please charge.

2. Li⁺ Power-bank Charging Instruction:



The Li⁺ Power-bank can be connected to home (240v) or car charger (12v), once input power is connected the display shows "CHARGING".

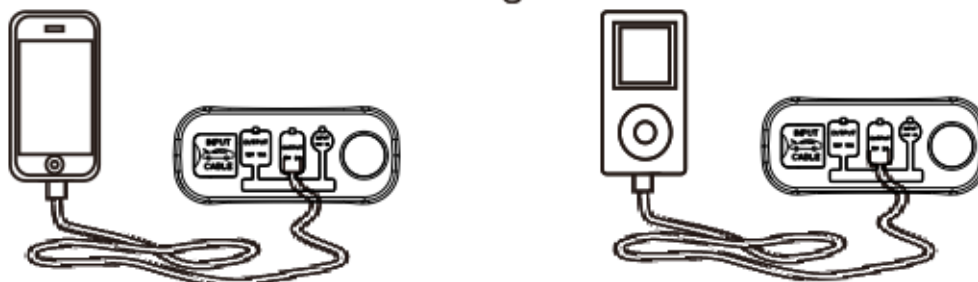
240v charging:

Plug the home adaptor into the 240v power point, then connect to the 15V 1A input port of the Li⁺ Power-bank. Once charged, disconnect and remove the home adaptor from the power point.

12v in vehicle charging:

Plug the car adaptor into the 12v socket of cigarette lighter, then connect the other end of the car adaptor to the 15V 1A input port of Li⁺ Power-bank.

3. USB Output Charging Cell Phone or Tablet:



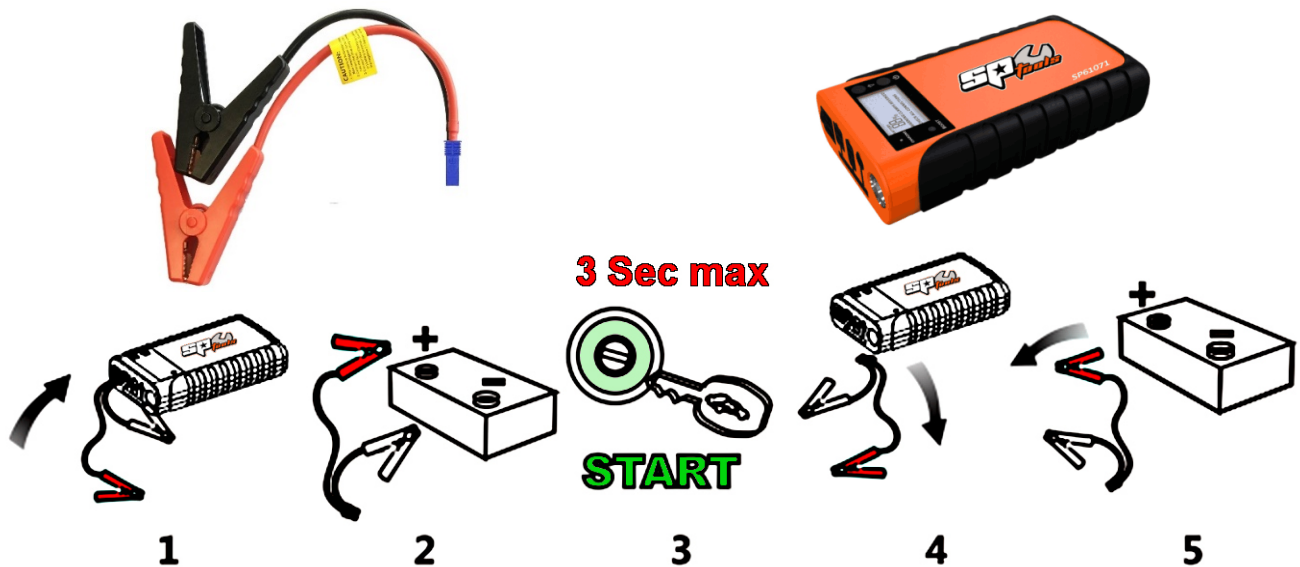
Connect USB cable to the USB port press the power switch , the display shows 5V2A, then you can connect mobile phones, tablets, and other digital products to be charged.

4. 12V10A DC Output:



When the 12V10A DC adapter cable is connected, press the power switch, 12V10A, can now be supplied to 12V automotive electronics products.

5. 12V Jump Start:



Jump start 12V vehicle Instruction:

Ensure the Li⁺ Power-bank is **at least 75% charged**.

1. Insert the blue plug of the battery lead set into the host.
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. Start the vehicle
Note: Do not hold the key **ON** for more than **3 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.
4. Once the vehicle has started, remove jumper cable from Li⁺ Power-bank and disconnect RED and BLACK clamps from the vehicle battery terminals.
5. **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.

Error Warnings:

When the LCD shows "**SHORT CIRCUIT**", it indicates a short circuit between the battery clips has occurred,

When the LCD shows "**WARNING CLAMPS REVERSED**", it means that the battery clips are connected the wrong way around. Please reconnect the battery clips correctly, RED clamp to the vehicle's battery positive (+) terminal and connect the BLACK clamp to the vehicle's battery negative (-) terminal.

Boost Function

If your vehicle's battery has no charge or a very low charge (less than 8.1V) your Li+ Power-bank will not automatically recognise that it is connected to a 12v battery. The Boost function allows you to manually connect the Li+ Power-bank battery to the output leads.

Note: It is highly recommended that in the situation of a no or low charge battery (less than 8.1V) that you should recharge your vehicle's battery in the normal manner. As the power you want to use to drive the starter motor will be greatly diminished by the flat battery.

In an emergency situation it would be best (if possible) to disconnect the vehicle battery before attempting to start the engine. In this way power from the jump starter will not be diverted into a flat battery but run directly to the starter motor. The Boost function should only be used if there is no better alternative.

Boost function Instruction:

1. Disconnect the battery from the vehicle.
2. Connect the RED clamp to the vehicle's battery positive (+) lead and connect the BLACK clamp to the vehicle's battery negative (-) lead.
3. Activate the Boost function by pressing the Boost Button on your Li+ Power-bank. (This will connect the Li+ Power-bank to the output leads for 30 seconds only)
4. Start the vehicle. **Note:** Do not hold the key ON for more than 3 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.
5. The Boost function will switch off automatically 30 seconds after activation.

It is possible to use the boost function without disconnecting the battery, however the Li+ Power-bank may not provide enough power to start the vehicle, as much of the charge will be soaked up by the flat battery.

When the LCD displays "**BATTERY LOW RECHARGE**", indicates that Li+ Power-bank power is low, then the charge should be made after Li+ Power-bank start-up.

LED flash light:

Press and hold the switch 3 seconds to start the LED flash light.

There are 4 modes of LED light appear in order, Normal. Strobe. SOS. Off)

Frequently Asked Questions:

Q. How do I turn it off?

A. The unit will automatically power off:

- I. When charging is complete
- II. When no load is being drawn

Q. How long will it take to charge the Li⁺ Power-bank?

A. If about one third charged, approx. 3 hrs. using 15V1A input.

Q. What is the minimum charge I can jump start a car with?

A. Never attempt to start a car if the Li⁺ Power-bank has less than 75% charge.

Q. How many times (once fully charged) can it recharge my cell phone?

A. Depends on the battery capacity of your cell phone. Using an iPhone 4 as an example, it can full charge approx. 9 times.

Q. How long will it take to charge my cell phone fully?

A. Depends on battery capacity, but Approx. 1 hour

Q. How many times can Li⁺ Power-bank, Jump-starter, start a vehicle?

A. IF the Li⁺ Power-bank is fully charged and the car battery not completely flat, then Approx. 25 times. (based on a 4cyl vehicle)

Q. What's the lifetime of Li⁺ Power-bank, Jump-starter?

A. Usually 3-5 years in normal condition.

Q. Once fully charged, how long will the charge last?

A. 6-12months, however, we suggest to recharge it every 3 months.

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