

SPECIFICATIONS

Part Number:	APS800A	APS1200A	APS1700A	APS2400A
Battery Type	Specially designed fast output AGM battery			
Suitability	12 Volt 4 cylinder petrol engines up to 2.0L (2000cc)	12 Volt 4 and 6 cylinder petrol engines up to 3.5L (3500cc)	12 Volt 4, 6 & 8 cylinder petrol engines up to 5.0L (5000cc) & 4 cylinder diesel engines up to 3.5L (3500cc)	12 Volt 4, 6 & 8 cylinder petrol engines up to 6.0L (6000cc) & 8 cylinder diesel engines up to 4.8L (4800cc)
Battery Power (Ah)	8 Ah	12 Ah	22 Ah	44 Ah
Charging time from zero capacity using supplied charger (Hours)	10 to 12 hours (approximate with 0.8A charger)	15 to 18 hours (approximate with 0.8A charger)	12 to 15 hours (approximate with 1.6A charger)	15 to 18 hours (approximate with 1.6A charger)
Boost Cables (Continuous Current) (Amps)	100A @ 9V	200A @ 9V	300A @ 9V	400A @ 9V
Cable Size (AWG)	8	8	7	3
Boost Cables	30 cm	30 cm	35 cm	78 cm
Heavy Duty Clamps (Amps)	400 A	400 A	500 A	900 A
Safety Main	Yes	Yes	Yes	Yes
Charger Type	0.8A 3 Stage	0.8A 3 Stage	1.6A 3 Stage	1.6A 3 Stage
USB output	5V/2.4A x1	5V/2.4A x2	5V/2.4A x2	5V/2.4A x2
12V Acc Output	No	No	No	12V/15A x1
LED emergency light	Yes	Yes	Yes	Yes
Charging status indicator	Yes, on the charger	Yes, on the charger	Yes, on the charger	Yes, on the charger
Low voltage warning	Yes	Yes	Yes	Yes
Inbuilt Safety Systems (short circuit, reverse connection, accidental)	Yes	Yes	Yes	Yes

Manufactured and packaged for SRGS PTY LTD ABN 23 113 230 050
6 Coulthards Avenue Strathpine QLD 4500, Australia

APS800A/1200A/1700A/2400A JUMP STARTER

INSTRUCTION MANUAL



PLU: 631665



PLU: 631666



PLU: 631667



PLU: 631668

WARNING:

BATTERY ACID IS HIGHLY CORROSIVE; ALWAYS WEAR PERSONAL PROTECTIVE EQUIPMENT (PPE) WHEN WORKING ON OR AROUND LEAD-ACID BATTERIES.

FIRST AID & BATTERIES

- For advice, contact the Poisons Information Centre in Australia (PH: 13 11 26) or the National Poisons Centre in New Zealand (PH: 0800 764 766)
- If battery acid makes contact with the skin or clothing, wash immediately with soap and water.
- If battery acid makes contact with the eyes, hold eyelids apart and flush the eye continuously with fresh running water for at least 15 minutes or until the Poisons information centre advises you to stop.

If battery acid is swallowed, **do not** induce vomiting. Drink a glass of water and seek medical assistance.

WARNING:

SEALED LEAD-ACID RECHARGEABLE BATTERIES GENERATE HYDROGEN GAS DURING THE CHARGING PROCESS.

HYDROGEN GAS IS:

- **EXPLOSIVE**
- **POISONOUS TO BREATHE**
- **HIGHLY FLAMMABLE**

TO AVOID AN EXPLOSION OR THE POSSIBILITY OF BEING SPLASHED FROM BATTERY ACID,

- **ALWAYS RECHARGE BATTERIES IN A WELL VENTILATED AREA**
- **WAIT AT LEAST 5 MINUTES AFTER RECHARGING BEFORE USING THE JUMP STARTER**
- **DO NOT OPERATE OR STORE NEAR FLAMMABLE GOODS OR COMBUSTIBLES**

NOTE:

A JUMP STARTER IS NOT A SUITABLE REPLACEMENT FOR A DAMAGED OR DEPLETED BATTERY. IT IS RECOMMENDED TO CORRECTLY CHARGE AS REQUIRED.

The SCA Compact Jump Starter range offers a portable durable and powerful emergency jump starting solution for 12V electrical system vehicles. The innovative self-contained system allows safe jump starting of flat vehicle batteries without the need of a secondary vehicle, or 240V power supply. SCA Compact Jump Starters are packed with safety features, ensuring you're in safe hands.

APS800A

- | | |
|----------------------|---------------------------------|
| 1. Handle | 6. On/Off Main switch |
| 2. Battery clamp | 7. Charging port |
| 3. Cable | 8. USB output |
| 4. LED warning light | 9. LED work light On/Off button |
| 5. LED work light | |

APS1700A

- | | |
|----------------------|---------------------------------|
| 1. Handle | 6. On/Off Main switch |
| 2. Battery clamp | 7. Charging port |
| 3. Cable | 8. USB output |
| 4. LED warning light | 9. LED work light On/Off button |
| 5. LED work light | |

APS1200A

- | | |
|----------------------|---------------------------------|
| 1. Handle | 6. On/Off Main switch |
| 2. Battery clamp | 7. Charging port |
| 3. Cable | 8. USB output |
| 4. LED warning light | 9. LED work light On/Off button |
| 5. LED work light | |

APS2400A

- | | |
|----------------------|---------------------------------|
| 1. Handle | 6. On/Off Main switch |
| 2. Battery clamp | 7. Charging port |
| 3. Cable | 8. USB output |
| 4. LED warning light | 9. LED work light On/Off button |
| 5. LED work light | 10. 12V/15A ACC output socket |

Features:

- Innovative, portable & lightweight design with a powerful high output sealed AGM battery, allowing for easy storage & no risk of leaking acid.
- Fully insulated 100% copper leads.
- Suitable to jump start a host of vehicles without the need of a second vehicle – 12 Volt Systems ONLY.
- Recharge using supplied 240V 800mA 3 stage charger (APS800A and APS1200A models) or 240V 1.6A 3 stage Fast Charger (APS1700A and APS2400A models).
- Built in extra bright, low current LED emergency light with on/off button.
- Red LED light indicator and warning beep (when the main switch switched on) advises when battery capacity is low and recharging is required.
- Inbuilt mosfet controlled safety systems for over load, reverse polarity, accidental 24V battery connection and accidental short circuit (when unit main switch is ON).
- Built in single 2.4A USB socket for powering or recharging USB devices. (Double 2.4A USB output socket provided on APS1200A, APS1700A and APS2400A models).
- Additional 12V 15A output accessory socket provided on APS2400A unit (only) for powering 12V accessories such as lead lights, testers or low powered appliances.
- Illuminated main power switch for ease of use.

This Jump Starter is designed as a compact, durable and portable emergency starting power system for vehicles with 12V electrical systems. This self-contained system is able to safely jump start vehicles with depleted or flat batteries without the need of a host jump vehicle or 240V power supply.

If your vehicle is fitted with a Lithium type starting battery (Factory or Aftermarket), please refer to the battery information for over-riding or resetting the BMS if low voltage cutoff is triggered. Failing to do so may result in damage to your battery.

OPERATING INSTRUCTIONS:

ENSURE JUMP STARTER IS FULLY CHARGED FOR THE FULL RECOMMENDED CHARGE TIME BEFORE FIRST USE (SEE SPECIFICATION TABLE).

APS800A AND APS1200A COMPACT JUMP STARTERS ARE DESIGNED FOR OCCASIONAL PRIVATE USE ONLY, NOT FREQUENT OR HEAVY COMMERCIAL USE. IF HIGH CAPACITY OR FREQUENT USE IS REQUIRED, CHOOSE EITHER THE APS1700A OR APS2400A MODELS. CHARGE THE UNIT FOR FULL RECOMMENDED CHARGE TIME BEFORE USING (see specification table).

The difference between 12.6V and 12V is approximately 80% of the units output capacity, and if not fully charged the unit will not be able to start your car. Please refer to the "Charging" section on page 7 for the correct charging method.

BEFORE JUMP STARTING ANY VEHICLE BATTERY, INSPECT THE VEHICLE BATTERY FOR OBVIOUS SIGNS OF DAMAGE SUCH AS A SWOLLEN CASE OR LEAKING ELECTROLYTE.

Always check that the battery has the correct fluid levels before attempting to jump start or charge.

JUMP STARTING



1. Ensure both the ignition of vehicle to be started and the jump starter main power switch is switched OFF before any connections are made to the battery.
2. Connect the RED (+) alligator clamp of the jump starter to the RED (+) positive battery terminal of the vehicle.
3. Connect the BLACK (-) alligator clamp of the jump starter to the negative terminal, or to a non-moving metal part of the engine or chassis in the case of a remotely mounted battery. Avoid connecting to fuel lines!
4. Switch the jump starter main power switch to the ON position and leave for approximately 5 seconds.
5. Listen for any audible beeping indicating an accidental reversed polarity – the unit is protected from accidental reverse polarity connection or 24V battery connection regardless whether the Main Switch is on or off. If beeping is heard this unit will not output power, turn the main switch off, disconnect then reconnect clamps in the correct order ensuring the polarity is correct.
6. With the jump starter still connected and switched on, turn the vehicle ignition and crank the engine. Do not crank the engine for any more than 5 seconds at a time.

7. If the engine fails to start, wait for at least 1 minute before trying again to avoid overloading the unit. If overload protections engage, switch off the main power switch and allow the unit to cool down for approximately 5 to 10 minutes.
8. Once the engine is running, switch the jump starter main power switch to the OFF position. Disconnect the BLACK (-) negative clamp from the vehicle battery first, and return the cable to its storage position on the jump start unit.
9. Disconnect the RED (+) positive clamp last, and return the cable to its storage position on the jump start unit.
10. As soon as possible, connect the jump starter to the supplied 240V AC Charger and recharge for the full recommended charge time (see "Charging" section on page 7).

INBUILT SAFETY SYSTEMS:

This jump starter is fitted with a sophisticated mosfet controlled electronic safety system to protect the unit and the connected battery in the result of accidental user error. Even with these protection systems in place, extreme care should be taken with the correct identification of the system voltage and the batteries being jump started:

- **Short circuit protection:** In the event of accidentally touching the Positive and Negative clamps together while switched on, the unit will shut off output power thereby preventing a dangerous overload situation. A small spark may still emit from the alligator clamps, care should still be taken to not short circuit unit around lead acid batteries.
- **Reverse polarity protection:** If the jump starter is accidentally connected in the reverse polarity when switched on, the red LED on the front panel will keep on with a warning sound, power will not output during reverse connection, simply toggle OFF the main switch and correct the polarity of the connection before attempting to use again. The jump start will only detect a reverse polarity connection when the main switch is on.
- **24V battery connection protection:** In the event of accidental connection to a 24V battery system, the jump start unit will automatically enable its overload protection and switch power output off. The red LED will illuminate on the front panel, along with the warning buzzer. Even though this protection will protect the jump starter from catastrophic failure, extreme care should be taken by the user to correctly identify the type of battery to be jump started and the operating voltage of the system.
- **Overload and over temperature protection:** When output draw from the clamps is too high or the unit has been used for an extended period, the red LED on the front panel will flash (without beeping) and the jump starter will cut output power. After a cooling down period of approximately 5 to 10 minutes the unit will work again.

OPERATION AS A PORTABLE POWER SUPPLY:

USB:

Model dependant, this jump starter is fitted with single or dual 5V 2.4Amp USB outputs on the front panel of the unit. To use, simply plug in your USB cable to the socket, connect to your device and switch the jump start main power switch on the left-hand side to the ON position.

The USB port is fitted with an overload circuit; if the port is overloaded power will be switched off and will automatically re-set after 2 minutes.



12V Accessory Socket (APS2400A model only):

The APS2400A model (only) is fitted with a 12V power socket in front of the handle. To use, simply lift rubber dust cover and insert your 12V plug for the device being used. This socket can provide up to 15A of 12V DC power, although we recommend only using smaller devices so as not to rapidly deplete the internal battery.

NOTE – If you have used the jump starter as a portable power device, we recommend re-charging the battery FULLY before trying to jump start a vehicle. If the jump starter is not 100% fully charged, it may not be able to jump start a vehicle.

LED Emergency Light:

Press the light button on the front panel to turn the light ON or OFF.

RECHARGING THE JUMP STARTER UNIT

We cannot emphasize enough that successful jump starting requires the internal battery to be 100% fully charged. It is recommended to recharge the unit after each use, using the provided charger. To ensure the jump starter is ready to always use and to maximise its battery life, recharge the unit every 3 months. Not doing so will put the unit battery in a discharged state, will shorten its life and result in the jump starter not holding enough charge to start your vehicle.

The following table is a guide showing frequency of use between charges and estimated number of charge/recharge cycles:

Number of jump starts between recharging	Discharge/Recharge Cycles
1	1000+
5	700+
10	500+

Models APS800A and APS1200A

EDTIMATED RECHARGE TIME VS JUMP STARTS (Using supplied 240V 800mA charging adaptor)

Number of jump starts between recharging	Approx. Recharging Time (Hours)
1	5
2	8
3	12
4	15
5	20
6	24

Models APS1700A and APS2400A

APPROXIMATE RECHARGE TIME VS JUMP STARTS (Using supplied 1.6amp charger)

Number of jump starts	Approx. Recharging Time (Hours)
1	4
2	6
3	8
4	12
5	20
6	24

PTC0.8A Charger

(Supplied on Models APS800A and APS1200A)



PTC12V 1.6A Charger

(Supplied on Models APS1700A and APS2400A)



Recommendations to prolong battery life:

- Top Up and recharge the unit every 3 months even if the jump starter was not used.
- Recharge the jump starter as soon as possible if the low voltage LED light activates.
- Avoid storage in extreme temperatures where possible (above 50 degrees Celsius and below 0 degrees Celsius)
- Never store the unit in a discharged state.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

BATTERY DISPOSAL:

TO PREVENT INJURY, DO NOT DISPOSE OF BATTERY IN FIRE. EXPOSURE TO FIRE OR INTENSE HEAT CAN RESULT IN EXPLOSION CAUSING SERIOUS PERSONAL INJURY. FOR CORRECT DISPOSAL, PLEASE VISIT YOUR LOCAL RECYCLING CENTRE.

THESE JUMP STARTERS HAVE NON-REPLACEABLE BATTERIES. THE BASE OF THE UNIT ACTUALLY FORMS PART OF THE BATTERY CASE. DO NOT ATTEMPT TO DISASSEMBLE.

WARRANTY

This product is guaranteed against defects for a period of 12 months from date of purchase. This warranty is provided by SRGS PTY LTD, ABN 23 113 230 050 of 6 Coulthards Avenue Strathpine QLD 4500 Ph (07) 3482 7500. Supercheap Auto will offer a repair, replacement product or store credit if the product is assessed as being defective during the warranty period.

To claim under this warranty, take this product to the Front Service Desk of your nearest Supercheap Auto store. For store locations, visit www.supercheapauto.com.au (AUS) or www.supercheapauto.co.nz (NZ). You will need your receipt or proof of purchase. Additional information may be requested of you to process your claim. Should you be not able to provide proof of purchase with a receipt or a bank statement, identification showing your name, address and signature may be required to process your claim.

This product may need to be sent to the manufacturer to assess the defect before determining any claim. Faults or defects caused by product modification, misuse and abuse, normal wear and tear or failure to follow user instructions are not covered under this warranty.

Our goods come with guarantees that cannot be excluded under the Australian 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.

Any expenses incurred relating to the return of this product to store will normally have to be paid by you.

For more information contact your nearest Supercheap Auto store.

The benefits to the consumer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods and services to which this warranty relates.