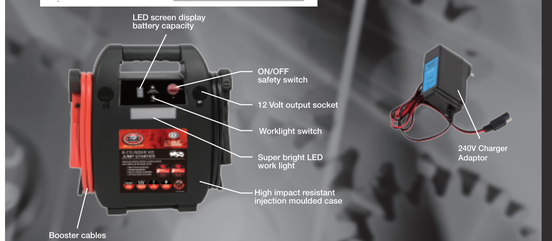
SPECIFICATIONS:

Part Number:	PJS2400AL
Battery Type	Sealed Lead Acid AGM
Battery Power (AH)	2X12V 22AH(44AH Total)
Charging time from zero capacity using supplied charger (Hours)	24 to 30 Hours (approximate)
Boost Cables Length	120CM
Safety main switch	Yes
Charger Type	12V 1.6A 3 Stage smart charger
USB output	5V/2.4A
LED emergency light	Yes
Charging status indicator	Yes
Low voltage warning	Yes
Inbuilt protection systems	Short circuit, reverse connection, accidental connection to 24V battery Overload
Net Weight	15.6Kg



Valve you can trust

12 MONTH WARRANTY

QUALITY GUARANTEED

8 CYLINDER HD JUMP STARTER

INSTRUCTION MANUAL

QUALITY ASSURED

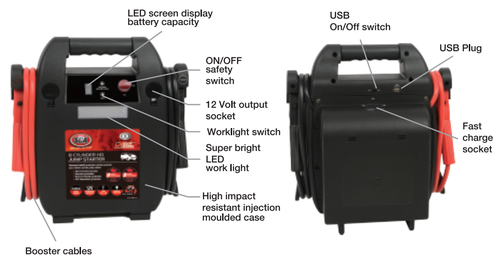
Manufactured and packaged for SRGS PTY LTD ABN 23 113 230 050
751 Gympie Road, Lawnton, Queensland 4501, Australia

PLU 562418

FEATURES

- 2400 Amp peak power, 44A/H (2 x 22A/H) sealed AGM rechargeable batteries
- 120cm long 100% copper leads.
- Suitable to start 8 cylinder petrol engines up to 6 litres and 8 cylinder diesel engines up to 4.8 litre capacity without the need of a host vehicle – 12 Volt Systems ONLY
- Twin 12V DC cigarette sockets with overload protection provide power for electrical appliances that usually plug into a vehicle's accessory socket. This allows remote operation and / or emergency 12V supply when commercial power is not available.
- Sealed maintenance free battery can be stored or inverted without risk of leaking acid.
- Large easy to read LED push button battery display.
- Durable injection moulded outer case
- Built in low current LED emergency light
- Low voltage alarm notifies when recharging is required.
- Audible warning alert when connected in reverse polarity
- Built in protection systems safeguard both Jumpstarter and vehicle from accidental short circuit and reverse polarity connection, also overload and accidental 24V connection.

This Jumpstarter 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 jumpstart vehicles with depleted or flat batteries without the need of a host jump vehicle or 240V power supply. This unit can also be used as a safe, portable source of 12V DC power in remote locations or in emergencies.



WARNING:
BATTERY ACID IS HIGHLY CORROSIVE; ALWAYS WEAR EYE PROTECTION WHEN WORKING ON OR AROUND LEAD-ACID BATTERIES. IF SPLASHED WITH BATTERY ACID IMMEDIATELY WASH THE AFFECTED AREA, ESPECIALLY THE FACE AND EYES WITH CLEAN WATER. CONTINUE FLUSHING THE AFFECTED AREA, FACE AND EYES UNTIL MEDICAL HELP ARRIVES.

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 1 HOUR AFTER RECHARGING BEFORE USING THE JUMPSTARTER**
- **DO NOT OPERATE OR STORE NEAR FLAMMABLE GOODS OR COMBUSTABLES**

OPERATING INSTRUCTIONS:

Jumpstarting

1. Ensure both the ignition of vehicle to be started and the jumpstarter main power switch is switched off before any connections are made to the battery.
2. Connect the RED (+) alligator clamp of the jumpstarter to the RED (+) positive battery terminal of the vehicle.
3. Connect the BLACK (-) alligator clamp of the jumpstarter to a non-moving metal part of the engine or chassis (avoid connecting to fuel lines).
4. Switch the Jumpstarter on, listen for any audible beeping indicating either depleted battery or reverse polarity. Reverse polarity beep tone as a continuous loud tone, whereas low battery voltage is a single beep every 25 seconds. If either beeping is heard, switch off the main power switch and either recharge, or reconnect clamps in the correct order.
5. Switch the Jumpstarter main power switch to the ON position, and leave for approximately 30 seconds.
6. With the jumpstarter 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 2 minutes before trying again to avoid overloading the unit.
8. Once the engine is running, switch the Jumpstart 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 jumpstart unit.
9. Disconnect the RED (+) Positive clamp last, and return the cable to its storage position on the jumpstart unit.
10. As soon as possible, connect the Jumpstarter to the supplied 240V AC Charger and recharge the unit to maintain battery life.

WARNING:

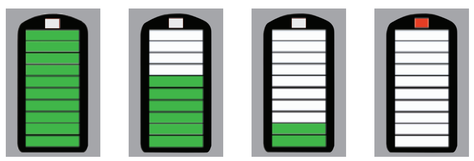
THIS UNIT IS FITTED WITH A SAFETY PROTECTION SYSTEM PREVENTING SHORT CIRCUITS AND DAMAGE DUE TO REVERSE POLARITY, HOWEVER GREAT CARE SHOULD STILL BE TAKEN WHEN MAKING CONNECTIONS TO BATTERIES. WHEN NOT IN USE, ALWAYS KEEP THE MAIN POWER SWITCH OFF, AND STORE THE CABLES CORRECTLY IN THEIR RESPECTIVE STORAGE SLOTS.

LED MULTI-FUCTION DISPLAY

The LED Battery display on the front panel shows several important pieces of information:

- Connected vehicle battery status when power switch in OFF position (automatically displayed, no button press required)
- Internal Jumpstarter Battery check when battery display button pressed – this will show the jumpstarter battery charge regardless of whether the unit is being charged or not.
- Solid red led indicator light when recharging is underway (to see battery bars press display button – display will go out after a few seconds but red LED light will stay lit).
- Flashing red indicator light when unit is fully charged (a press of the display button will also illuminate battery bar display)
- Reverse polarity alarms and protection will work when the unit is switched on - if this loud continuous tone is heard, switch the unit off and reconnect the cables in the correct polarity.
- Low Voltage alert - when the unit is switched on (either connected or not to a vehiclè) a sirgle beep will be heard every 25 seconds if recharging is required, or approximately 60% of remaining charge. When pressing the LED display button during these alerts, the remaining bars will flash on the display.

Battery Capacity Indicating Bar



The red LED indicator will only show when connected to the supplied 240V charger adaptor.

INBUILT SAFETY SYSTEMS:

This jump starter is fitted with sophisticated electronic safety systems 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 unit is accidentally connected in the reverse polarity when switched on, the red LED on the front panel will illuminate along with a warning beep. 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 on at front panel, along with the warning buzzer. Even though this protection will protect the jump start 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.

Over load and over temperature protection:
When in use as a jump starter, if load is too big or unit is under load for too long, the red LED on front panel will flash, also the jump starter will stop output. After a period of resting time it will automatically start again.

Low Voltage alert:
a single beep will be heard every 25 seconds when recharging is required, or approximately 60% remaining charge. This will occur only when the main power switch is switched ON.

OPERATION AS A PORTABLE POWER SUPPLY

HIGH CURRENT 12V CLAMP OUTPUT
This unit can also output 12V high current through the jumper lead clamps, whilst still fully protected with all inbuilt safety features. This is ideal for testing rotating motors such as starters, alternators and pumps in a workshop environment. This type of testing can be done safely as the unit will still be overload protected and short circuit protected, minimising any issues with faulty motors being tested. As a guide, do not exceed connecting motors with more than a 100A power draw. To operate, simply connect positive and negative cables correctly to unit being tested, and switch main jump starter switch to the on position.

USB:
This Jumpstarter is fitted with a 5V 2.4A USB output on the rear of the unit. To use, simply plug in your USB cable to the socket, connect to your device and switch the USB power switch 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 SOCKETS
This unit is fitted with 2 x 12V power accessory sockets. To use these output sockets, simply plug in your device and power will output as soon as a connection is made. These sockets are rated at 15 Amps at 12V DC each. Please do not exceed these rated limits to prevent overloading the internal circuitry. Ensure the rubber dust covers are placed over the sockets when not in use to prevent dust or moisture from entering the socket.

LED Emergency Light
Depress the light switch once to turn the light on. Depress the switch again to turn the light off.

RECHARGING THE JUMPSTARTER UNIT

For maximum battery life it is recommended that this unit be kept fully charged at all times.

If the battery is allowed to remain in a discharged state, battery life may be pre-maturely shortened. The following table shows frequency of use between charges and estimated number of charge/recharge cycles:

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

These alerts will start when the unit is switched on and the internal battery reaches approx 60% of charge. These alerts will be heard once every 25 seconds, and will continue until the unit is recharged. These alerts will start when the internal battery reaches approximately 60% of charge. If the display button is pressed whilst the low voltage alert is active, the remaining bars on the display will flash indicating recharging should be performed.

Recharging is performed using the supplied 1.6 Amp battery Charger via the rear charger input plug. Simply connect the quick connect plug to the back socket of the jumpstarter (connection can only be made one way), plug the other end into a suitable 240V wall outlet and switch on. Charging will commence automatically.

The charge input socket is also suitable for fast charging by a dedicated SCA automotive battery charger, offering a considerably higher charge rate than the supplied 1.6 amp charger. Recharging by using this socket is perfect if you need to replenish the unit in a much shorter time or if you are depleting the units power each day by performing multiple jump starts - i.e. car dealers / workshops / roadside assist etc. To select a suitable automotive battery charger compatible with this input, please speak to one of our helpful Team Members in-store.

Recommendations to prolong battery life:

- Top Up and recharge the unit every 3 months even if it isn't used.
- Recharge the unit as soon as possible if the low voltage warning 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.

TABLE 2 – 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

BATTERY DISPOSAL:

Lead acid batteries can be recycled at your local Supercheap Auto Store.
Replacement Lead acid batteries may be available at your local Supercheap Uto Store.

To remove the battery, remove the screws surrounding the back housing then remove the rear panel to expose the battery cavity. Unscrew the two hex head screws on the battery terminals and then gently slide the battery out of its cavity. Once the battery is out, insulate the battery terminals with strips of electrical tape to prevent accidental short circuits.

TO PREVENT INJURY, DO NOT DISPOSE OF BATTERY IN FIRE. EXPOSURE TO FIRE OR INTENSE HEAT CAN RESULT IN EXPLOSION CAUSING SERIOUS PERSONAL INJURY.

WARRANTY

This product is guaranteed against defects for a period of 12 months from date of purchase. This warranty is provided by Super Cheap Auto Pty Ltd ACN 085 395 124 (Supercheap Auto) of 751 Gympie Rd Lawton QLD 4501 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