



## **J12 - User Guide**

### **Introduction**

The J12 is a wheel around DC power source, designed to provide a convenient, reliable means of jump-starting motor vehicles. For its starting power the J12 uses a large AGM (Absorbed Glass Matt) or SLA (Sealed Lead Acid) high-capacity battery.

Dimensions are 95cm (H), 63cm (W), 34cm (W)

To ensure quick recovery of J12 battery starting power, the J12 is equipped with a heavy duty multistage charger which when used properly will maintain the J12 battery in a fully charged state.

The exceptionally tough Polyethylene case is shatterproof and ideal for the most demanding commercial environment.

With an overall length more than 2 meters, the 35mm highly flexible cable ensures the operator can connect the flat battery in the engine bay with the J12 Jump starter pack whilst securely on the ground.

The J12 Jump starter pack is fitted with a 500-amp fuse to protect the unit from short circuit or excessive engine cranking.

The cables are terminated to a 600-amp braided croc clips ensuring equal power distribution with minimal voltage loss.

A 12-volt air compressor with hands free connection and auto bypass at pre-set pressure, typically 30-40 PSI.

Fitted with large 25 x 6.5cm run flat tyres.

Visible from a distance due to the flag position above the cars.



### **Operation of Jump Starter: -**

Follow the instructions very carefully and check your vehicle handbook before proceeding.

### **Do not:**

- Lay the unit down as this may result in acid leakage from the internal battery.
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### **Checks prior to using the unit: -**

- Check the external body for signs of wear or damage, check wheels, sacrificial pads and the instrument panel
- Fully extend the cables and check for signs of insulation damage, also check the clamps
  - Report cables if the copper is visible through the insulation
  - Report the clamps if they are unusable or insulation is missing.
- Check the wheels operation to ensure they are not buckled.
- Always keep the unit away from water.

### **Before jump starting**

- Before you jump start your vehicle, consult the manufacturer's handbook, as each vehicle may have its own unique procedure.
- If your battery is damaged, leaking or corroded **do NOT** attempt to jump start.
- Keep metal objects away from the battery. If they cause a spark it could be dangerous.
- Remove loose clothing in case it gets caught in moving parts.
- Avoid naked flames and never smoke under or near the bonnet of any car.
- Make sure headlights and other electronics are off.
- Remove the key from the ignition.

### **Starting instructions: -**

1. Stay clear of engine fan blades, pulleys, and belts when you are making jumper cable connections.
2. Position jumper cables to reduce risk of damage by moving engine parts when engine is started.
3. Carefully check the polarity of the vehicle's battery posts. The positive post (Pos, P, +) is normally larger in diameter than the negative post. (Top post type batteries).
4. Determine which battery post is grounded (Connected to the vehicle chassis. Most vehicles have their negative post grounded to the vehicle chassis.
  - a. For negative grounded vehicles



(Almost all vehicles are Negative earth)

Connect the positive (Red) jumper clip to the vehicle battery positive post, ungrounded post.

Connect the negative (black) jumper clip to the vehicle engine, away from battery. Do not connect clip to carburettor, fuel lines or sheet-metal body parts.

b. For positive grounded vehicles

Connect the negative (black) jumper clip to the negative, ungrounded post of the battery. Connect the positive (red) jumper clip to the vehicle's engine, away from the vehicle battery. Do not connect clip to carburettor, fuel lines or sheet-metal body parts.

5. After jumper clip connections have been made on dead battery, start vehicle with dead battery.
6. After starting the vehicle and at the earliest opportunity, first disconnect the jumper connected to the vehicle engine, the cable connected away from the battery. Next disconnect the clip connected to the battery.

(Note) Leaving the J12 jumper connected to the dead battery will discharge the J12 jumper battery and reduce the number of starts you will get with your unit.

### **Recharging the J12: -**

Quick Start J12 booster is equipped with a fully automatic multi-stage electronic charger.

The battery capacity will be displayed on the control panel and is touch controlled, please return to the off position after you have read the display.

1st touch will display the battery voltage

2nd touch will display the battery capacity as a percentage

3rd touch will turn the display to the off position which should be the normal state

To charge the J12 battery: -

1. Check the IEC socket in the instrument panel and ensure the connections are clean and contain no moisture
2. Connect the IEC plug to the socket in the instrument panel using the lead provided.
3. Plug the 13 amp plug into a socket outlet

The unit should be placed in a well-ventilated area when being charged. When the battery has reached a full charge, the charger reduces its charge rate to prevent over charging the J12 battery.

Disconnect the charger before jump starting begins.



**Tyre inflator operating instructions: -**

Press down the thumb lock on the Euro type brass connector and push firmly onto the tyre valve. Turn the compressor switch to the on position

The compressor is equipped with a pressure relief valve set normally to 34PSI

Do not run the compressor for more than 15 minutes at a time. Allow at least 45 minutes cooling down time for each full 15-minute operation.

After inflation is complete you will hear a 'put' 'put' sound, turn the compressor switch off and disconnect the air hose from the tyre.