

# Portable Power Station & Engine Starter



**Model No.**

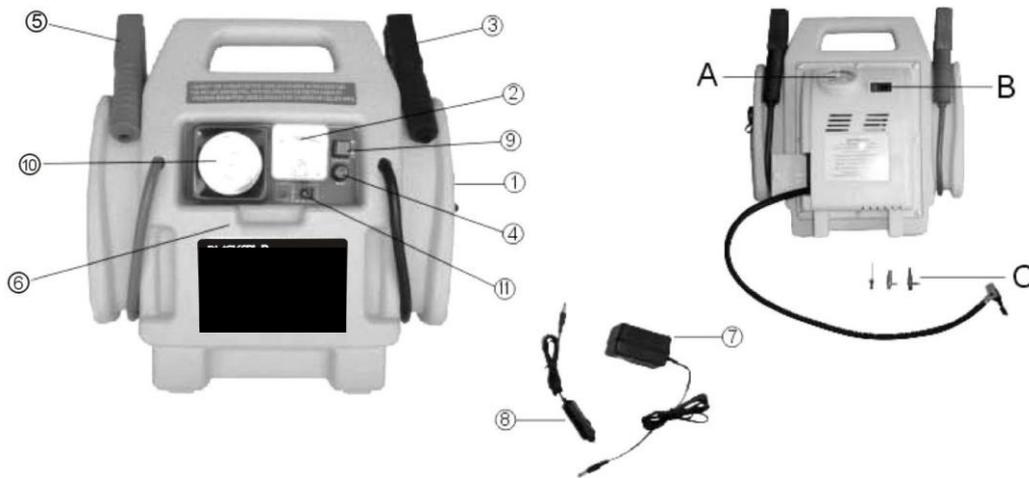
**SWPP9 – With Air Compressor**

**SWPP10 – Without Air Compressor**

## Keep these instructions for future reference

### **IMPORTANT SAFETY INSTRUCTIONS**

- This is a domestic electrical product, which must only be used for its intended purpose, in accordance with these Instructions. This product should never be used in a commercial environment
- Check the rating plate to ensure that the correct input voltage is being supplied to the product.
- Always switch the product off and remove the plug from the wall socket when not in use and before cleaning or changing accessories.
- Most domestic appliances must be attended at all times when in use. Never leave this product unattended when connected to the mains supply unless instructed to do so by these instructions.
- Always ensure the product is switched off before connecting it to the mains supply.
- Never reach for an electrical product that has fallen into water. To do so will result in an electric shock. Switch off the power at the wall socket and disconnect the plug before attempting to remove it from the water. After removing, never attempt to re-connect the product until it has fully dried and been tested and approved by a qualified person.
- Domestic electrical products are not designed for use by children!. Any child using a domestic electrical product should be closely supervised by a responsible adult to ensure all instructions and safety precautions are adhered to.
- Never allow the mains cable to come into contact with a heat source, water or any other liquid. Ensure sharp objects like knives etc are never used close to a mains cable when the product is in use.
- Never allow the cable of an electrical product to drape over the edge of a work surface where it could be pulled by a small child. Always check the position of the mains cable when the product is in use and wrap it around cable restraints when provided.
- Never carry an electrical product by the mains cable as it could cause damage resulting in electrical failure when next used.
- Never operate this product if the cable or plug, become damaged. NOTE: Only a qualified person can carry out repairs on this item.
- Be aware that many domestic electrical products become hot during use. Never touch hot surfaces during use and ensure all users are informed of the risks. Use an oven glove where required.
- Where relevant, keep all ventilation slots clear from obstructions and observe safe working distances from walls etc. Never put anything into the ventilation slots of an electrical appliance.
- Never operate this product with wet hands. Always ensure your hands, the appliance and work area, are dry before switching on.
- If this product stops working unexpectedly, switch off and unplug the product immediately. Seek professional advice before attempting to re-use the product.



1. Front view showing control panel

Figure 2. Air compressor

1. 12 volt output socket with overload protection
2. Color-coded battery meter
3. Heavy-duty booster clamp (-)
4. Battery Test Button
5. Heavy-duty booster clamp (+)
6. Impact resistant polyethylene case
7. 230 Volt AC adapter/charger
8. DC-AC power cord
9. Emergency light switch
10. Emergency light
11. DC charging LED and receptacle for charging plug

- A. Pressure Gauge
- B. Compressor switch
- C. Inflation hose and cover of compressor for storing of the hose

## FEATURES

1. Starts cars, trucks, recreation vehicles and boats without the need of a host vehicle or AC power cords
2. 12v cigarette lighter socket with overload protection provides power for utilities and appliances that usually plug into a vehicle or boat 12v cigarette lighter socket.
3. Provides up to 50-hours of DC power when use with 12v DC socket
4. Allows 12v appliance to be used in remote sites and/or in emergency when commercial power is not available.
5. Solid-state, automatic operation and circuit protection
6. Maintenance-free, 12AH battery.
7. This system can be stored without risking acid leakage
8. Heavy-duty industrial type welding cable can carry more amperage than similar units
9. Battery condition meter is color coded and easy to read
10. DC power cord allows recharging from 12V DC cigarette lighter socket.
11. Molded high-impact case is tough and durable
12. Has a built-in light for roadside vehicle repair for emergency situation away from commercial power.

## USAGE INSTRUCTIONS

The power booster is designed as a compact, durable and portable jump start system for vehicle and boats. This self-contained system will start most vehicles and boats without the need for a host vehicle or 230V AC power supply. This system can also be used as a safe, portable source of 12 DC electric power in remote location and emergencies.

The power booster has an easy to read, color-coded battery meter that indicates charge level. A 12V DC cigarette lighter-type socket is provided for use with appliance that would operate from a vehicle cigarette lighter. This allows maximum portability and utility when a mains plug is not available. Your jumpstarter can also be recharged with the included 230V AC adapter/charger. A covered cigarette lighter type 12V DC socket is also provided. The red LED will illuminate when the battery is recharging.

**WARNING: THIS PRODUCT IS SUPPLIED WITH A MINIMAL CHARGE AT MANUFACTURE, IT IS UNABLE TO FUNCTION IN ANY WAY UNLESS THE UNIT IS FULLY CHARGED OVER A 12 HOUR PERIOD IMMEDIATELY AFTER PURCHASE. THIS IS ESSENTIAL BEFORE ANY USE!**

### **Warning:**

Always wear eye protection when working on or around lead-acid batteries

If splashed with battery acid:

Immediately wash effected area such as face and particularly the eyes with clean water. Continue washing the affected area and face until medical help arrives.

### **Warning:**

Lead-acid batteries generate hydrogen gas during normal operation. More gas is generated when the battery is charging. Hydrogen gas is:

- 1.Explosive
- 2.Poisonous to breathe
- 3.Highly flammable

To avoid explosion and/or the possibility of being splashed with battery acid:

- 1.Never allow the red and black clamps to touch each other nor to both touch the same metal object.
- 2.Only attempt to jump start a vehicle or boat in a well ventilated area.
- 3.Always connect the red(+) clamp to the positive(+) battery terminal of vehicle
- 4.Do not connect the black(-) clamp to a moving metal part on the engine.

### **Safety Caution:**

- 1.To avoid possible damage that may shorten the unit's working life, protect this unit from direct sunlight, direct heat and/or moisture.
- 2.This system is designed to be used only on vehicle or boats with 12-Volt electric systems.
- 3.This system is not designed to be used as a replacement for a vehicle's battery
- 4.Air compressor caution: run compressor only for 10 minutes as a time continuously. Then leave off for 10 minutes before using again so that compressor can cool.

## RECHARGING

1. For maximum battery life, we recommend that your power station be kept fully charged at all times if the battery is allowed to remain in a discharged state (flat). Battery life may be shortened. Table shows the relationship of the frequency of use between recharging and the expected number of charge/recharge cycles.

**Table 1.-Battery life**

Number of jump-starts between recharging	Discharge and recharge cycles
1	1000+
5	700+
10	500+

### 2. Battery Recharging Tips

The time required to fully recharge your power booster after jump-starting an engine is a function of how many jump starts are performed between recharging sessions. Table 2 shows the approximate recharging times you expect.

**Table 2.-Recharging times VS. Jump-starts**

Number of jump-starts	Recharging Time(in hours)
1	8
2	16
3	24
4	32
5	40
6	48

3. To check the battery charge, press the red button next to the volt meter. This will show you the battery's internal charge level.

### AC adapter/charger charging:

Plug the Adapter/charger into an AC power outlet and put the other (output DC 12v) end into the receptacle (beside DC charging LED (No.11, see figure 1) on the front panel of your power booster until the battery meter shows full (14 to 15 DC)

### 12v DC/DC power cord charging:

Insert the cigarette lighter plug of the 12v DC/DC adapter/charger (No.8, see figure 1) into an 12v DC cigarette lighter receptacle (on your vehicle or boat) and put the other (output) end into the receptacle (beside DC charging LED No.11, see figure 1) on the front panel of your power booster until the battery meter shows full (14 to 15v DC)

## OPERATION

To use your power booster as a 12v DC/DC power source:

1. Life up the cover of 12v DC cigarette lighter receptacle (see No.1 of figure 1)
2. Insert the 12v DC cigarette lighter plug from the appliance into the 12V DC cigarette lighter receptacle on the side of your booster

The following table will give you an idea of what operation time you can expect when starting from a fully charged system.

Appliance type	Estimated power consumption (in watts )	Estimated usage time (in hours )
Fluorescent lighting cell phones	4	30
Radios, fans,	9	21
Camcorders, VCRs, Spotlights	15	12
Electric tools, Pumps	24	7
Electric coolers	48	3
Air compressors, 12v Car Vacuums	80	1.5

## JUMP STARTING

For performance when using your power booster to jump start a vehicle or boat, please read and follow these **step by step instructions**:

1. Connect the red (+) crocodile clamp to the red (+) positive battery terminal or the vehicle or boat.
2. **Connect the black(-)crocodile clamp to a non-moving metal part in the engine compartment, NOT to the(-)negative battery terminal due to possible damage to electronic control units (ECU's), such as on-board computers and engine management systems.**
3. Wait a minute or two.
4. Switch the vehicle or boat engine ignition to "start" for no more than 5 to 6 seconds.
5. If the vehicle or boat engine does not start, wait at least 3-minutes before trying again.

Under no circumstances allow the red and black clamps to touch each other.

1. Once the engine is running, disconnect the black(-)clamp first and return this cable to its stored position on the power booster.
2. Disconnect the red (+) clamp and return this cable to its stored position on the power booster.
3. As soon as possible connect your power booster system to the AC adapter. charge and recharge.

## COMPRESSOR OPERATION

Caution: Run compressor only for 10 minutes at a time continuously. Then leave off for 10 minutes before using again so that compressor can cool.

1. For tyre inflation use the universal adapter that is attached permanently to the air hose. Place this adapter (No. C, see figure 2) onto the tyre valve system, press the adapter lever down to lock onto the valve system.
2. For inflation of leather balls, flotation devices, etc., use one of the plastic nozzles.
3. Check pressure gauge (No. A, see figure 2), determine the desired pressure.
4. Turn on power switch (No. B, see figure 2)
5. When the desired pressure is reached turn the compressor switch (No. B, see figure 2) off.
6. Remove the adapter (No. C, see figure 2) from tyre or other item being inflated.

### Cautions

To avoid possible damage that may shorten the unit's working life, ensure that the red and black recharging wires stay attached with the jumper cables and are not switched.

### Battery disposal:

The lead acid battery contained in the power booster jump start system should be recycled once it has expired. Please contact your local solid waste authority for recycling information.

**Warning: Do NOT dispose of the battery in an open flame as this may result in an explosion.**

**Warning: Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire). Do NOT expose battery to fire or intense heat as it may explode.**

## ENVIRONMENTAL MESSAGE

The crossed out wheel bin symbol on this item indicates that this appliance needs to be disposed of in an environmentally friendly way when it becomes of no further use or has worn out. Contact your local authority for details of where to take the item for re-cycling.

This product has no user serviceable parts

**IMPORTANT ADDITIONAL INFORMATION:** This Battery Charger is NOT intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been given instruction concerning use of the Battery Charger by a person responsible for their safety.



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