



PROFESSIONAL POWER STATION INSTRUCTION MANUAL



Intertek

Catalog Number PPRH5B

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

⚠ GENERAL SAFETY WARNINGS AND INSTRUCTIONS

READ ALL INSTRUCTIONS

⚠ **WARNING:** Read all instructions before operating power station. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

SAFETY GUIDELINES / DEFINITIONS

⚠ **DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION: Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

RISK OF UNSAFE OPERATION. When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. Manufacturer strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed. Read and understand all warnings and operating instructions before using any tool or equipment.

IMPORTANT SAFETY INSTRUCTIONS

• This unit was designed for household use only.

GENERAL INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, BURST HAZARD, OR INJURY TO PERSONS OR PROPERTY

⚠ **WARNING:** Read all instructions before operating this unit. Failure to follow all instructions in this manual may result in electric shock, fire and/or serious injury.

• **Avoid dangerous environments.** Don't use appliances in damp or wet locations. Don't use appliances in the rain.

• **KEEP CHILDREN AWAY.** All visitors should be kept at a distance from work area.

• **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts.

Rubber gloves and substantial, non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.

• **STORE IDLE APPLIANCE INDOORS.** When not in use, appliances should be stored indoors in dry, and high or locked-up place – out of reach of children.

- **DON'T ABUSE CORD.** Never carry appliance by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- **DISCONNECT APPLIANCES.** Disconnect the appliance from the power supply when not in use, before servicing, and when changing accessories.
- **GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTION** should be provided on the circuits or outlets to be used. Receptacles are available having built in GFCI protection and may be used for this measure of safety.
- **USE OF ACCESSORIES AND ATTACHMENTS.** The use of any accessory or attachment not recommended for use with this appliance could be hazardous. Refer to the accessory section of this manual for further details.
- **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate appliance when you are tired.
- **CHECK FOR DAMAGED PARTS.** Any part that is damaged should be replaced by the manufacturer before further use. Do not use tool if switch does not turn it on and off. Contact the manufacturer at (877) 571-2391 for more information.
- **DO NOT** operate this appliance near flammable liquids or in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.
- **NEVER SUBMERGE THIS UNIT IN WATER;** do not expose it to rain, snow or use when wet.
- **To reduce risk of electric shock,** disconnect the unit from any power source before attempting maintenance or cleaning. Turning off controls without disconnecting will not reduce this risk.
- **THIS EQUIPMENT EMPLOYS PARTS (SWITCHES, RELAYS, ETC.) THAT PRODUCE ARCS OR SPARKS.** Therefore, if used in a garage or enclosed area, the unit MUST be placed not less than 18 inches above the floor.
- **DO NOT** use this unit to operate appliances that need more than 5 amps to operate from the 12 volt DC accessory outlet.
- **DO NOT** insert foreign objects into the USB port, the 12 volt DC accessory outlet or the 120 volt AC outlet.

SPECIFIC SAFETY INSTRUCTIONS FOR CHARGING THIS UNIT

- **IMPORTANT:** This unit is delivered in a partially charged state. Fully charge unit with a household extension cord (not supplied) for a full 40 hours before using for the first time. You cannot overcharge the unit using the AC charging method.
- All ON/OFF switches should be in the OFF position when the unit is charging or not in use. Make sure all switches are in the OFF position before connection to a power source or load.

Extension cords:

- ⚠ **WARNING:** Use of improper extension cord could result in a risk of fire and electric shock. When using an extension cord, make sure that the pins of the extension cord are the same number, size and shape as those in the charger; and be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Volts	MINIMUM GAGE FOR CORD SETS				
	Total Length of Cord in Feet				
120V	0-25 (0-7.6m)	26-50 (7.6-15.2m)	51-100 (15.2-30.4m)	101-150 (30.4-45.7m)	
	240V	0-50 (0-15.2m)	51-100 (15.2-30.4m)	101-200 (30.4-60.9m)	201-300 (60.9-91.4m)
Ampere Rating		Extension Cord Length			
More Than	Not more Than	0'-25'	26'-50'	51'-100'	101'-150'
American Wire Gage (AWG)					
0 -	6	18	16	16	14
6 -	10	18	16	14	12
10 -	12	16	16	14	12
12 -	16	14	12	Not Recommended	

When an extension cord is used, make sure that:

- a) the pins of extension cord are the same number, size and shape as those in the charger,
- b) the extension cord is properly wired and in good electrical condition,
- c) the wire size is large enough for the AC rating of the charger.

⚠ **CAUTION: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:** Pull by connector rather than cord when disconnecting the extension cord from the unit; and by the plug when disconnecting the extension cord from an AC outlet.

⚠ **CAUTION: TO REDUCE THE RISK OF PROPERTY DAMAGE WHEN CHARGING USING THE 12 VOLT DC METHOD:**

- Recharge using this method only when necessary. Frequent use of the 12 Volt DC charging method may shorten battery life.
- DO NOT EXCEED 6 HOURS CHARGING TIME USING THIS METHOD.

SPECIFIC SAFETY INSTRUCTIONS FOR INVERTERS

- Do not use this inverter with medical devices. It is not tested for medical applications.
- If there is any sign that your appliance is functioning differently from when it is connected to a standard AC wall receptacle, unplug it and seek advice from your appliance manufacturer before continuing use with this inverter.

SPECIFIC SAFETY INSTRUCTIONS FOR COMPRESSORS

⚠ **CAUTION: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:** Never leave the compressor unattended while in use.

⚠ **WARNING: BURST HAZARD: BURSTING ARTICLES CAN CAUSE SERIOUS INJURY.**

- Carefully follow instructions on articles to be inflated.
- Never exceed the recommended pressure listed in instructions on articles to be inflated. If no pressure is given, contact article manufacturer before inflating.
- Monitor the pressure at all times on the pressure gage.
- Never leave the compressor unattended while in use.

⚠ **CAUTION: TO REDUCE THE RISK OF PROPERTY DAMAGE:** Do not operate compressor continuously for longer than approximately 10 minutes, depending on ambient temperatures, as it may overheat.

SPECIFIC SAFETY INSTRUCTIONS FOR JUMP STARTERS

⚠ **WARNING: BURST HAZARD**

Do not use the unit for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage property. Use the unit for charging/boosting a lead-acid battery only. It is not intended to supply power to a low-voltage electrical system other than in a starter-motor application.

- Use of an attachment not supplied, recommended or sold by manufacturer specifically for use with this unit may result in a risk of electrical shock and injury to persons.

⚠ **WARNING: RISK OF EXPLOSIVE GASES**

- Working in the vicinity of a lead acid battery is dangerous. Batteries generate explosive gases during normal battery operation. For this reason, it is of the utmost importance that each time before using the jump-starter you read this manual and follow instructions exactly.
- To reduce the risk of battery explosion, follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use in the vicinity of the battery. Review cautionary markings on these products and on the engine.

⚠ **CAUTION: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:**

- NEVER ATTEMPT TO JUMP-START OR CHARGE A FROZEN BATTERY.
- Vehicles that have on-board computerized systems may be damaged if vehicle battery is jump-started. Before jump-starting, read the vehicle's owner's manual to confirm that external-starting assistance is suitable.
- When working with lead acid batteries, always make sure immediate assistance is available in case of accident or emergency.
- Always have protective eyewear when using this product: contact with battery acid may cause blindness and/or severe burns. Be aware of first aid procedures in case of accidental contact with battery acid.
- Have plenty of fresh water and soap nearby in case battery acid contacts skin.

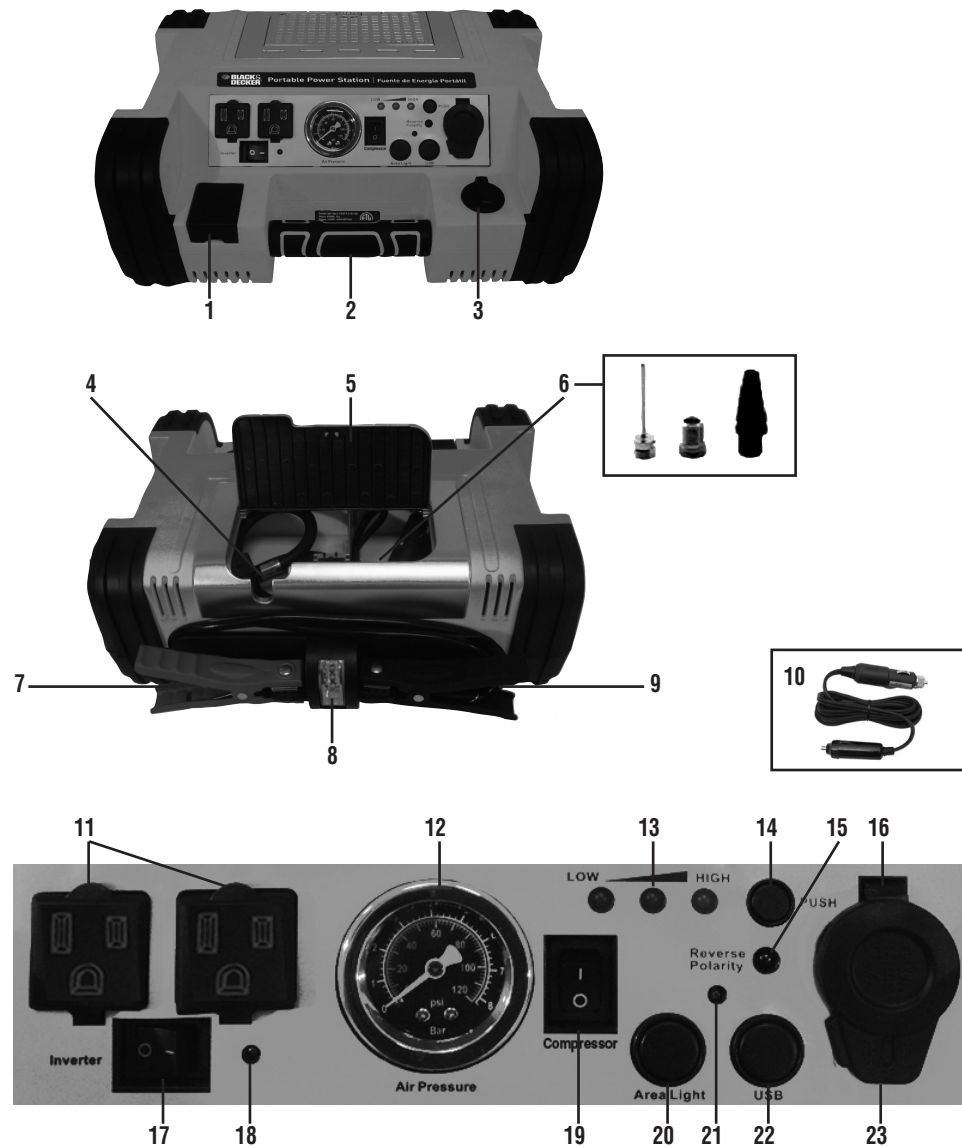
- Never smoke or allow a spark or flame in vicinity of vehicle battery, engine or power station
- Stay clear of fan blades, belts, pulleys, and other parts that can cause injury to persons.
- Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead acid battery. A lead acid battery can produce a short circuit current high enough to weld a ring, or similar metal object, to skin, causing a severe burn.
- Do not wear vinyl clothing when jump-starting a vehicle when jump-starting a vehicle. Friction can cause dangerous static-electrical sparks.
- Jump-start procedures should only be performed in a safe, dry, well-ventilated area.
- Always store battery clamps when not in use. Never touch battery clamps together. This can cause dangerous sparks, power arcing and/or explosion.
- When using this unit close to the vehicle's battery and engine, stand the unit on a flat, stable surface, and be sure to keep all clamps, cords, clothing and body parts away from moving vehicle parts.
- Never allow red and black clamps to touch each other or another common metal conductor — this could cause damage to the unit and/or create a sparking/explosion hazard.
 - a) For negative-grounded systems, connect the positive (red) clamp to the positive ungrounded battery post and the negative (black) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gage metal part of the frame or engine block.
 - b) For positive-grounded systems, connect the negative (black) clamp to the negative ungrounded battery post and the positive (red) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gage metal part of the frame or engine block.
- If the connections to the battery's positive and negative terminals are incorrect, the reverse polarity indicator will light and the unit will sound a continuous alarm until the clamps are disconnected. Disconnect clamps and reconnect to battery with correct polarity.
- Always disconnect the negative (black) jumper cable first, followed by the positive (red) jumper cable, except for positive grounded systems.
- Do not expose battery to fire or intense heat since it may explode. Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).
- Place this unit as far away from the battery as cables permit.
- Never allow battery acid to come in contact with this unit.
- Do not operate this unit in a closed area or restrict ventilation in any way.
- This system is designed to be used only on vehicles with a 12 volt DC battery system. Do not connect to a 6 volt or 24 volt battery system.
- This system is not designed to be used as a replacement for a vehicular battery. Do not attempt to operate a vehicle that does not have a battery installed.
- Excessive engine cranking can damage a vehicle's starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump-start procedures and look for other problems that may need to be corrected.
- Do not use this jump starter on a watercraft. It is not qualified for marine applications.
- Although this unit contains a non-spillable battery, it is recommended that unit be laid flat during storage, use and recharging. To avoid possible damage that may shorten the unit's working life, protect it from direct sunlight, direct heat and/or moisture.
- **FIRST AID – SKIN:** If battery acid comes in contact with skin, rinse immediately with water, then wash thoroughly with soap and water. If redness, pain, or irritation occurs, seek immediate medical attention.
- **EYES:** If battery acid comes in contact with eyes, flush eyes immediately, for a minimum of 15 minutes and seek immediate medical attention.

SAVE THESE INSTRUCTIONS

INTRODUCTION

Congratulations on purchasing your new **Black & Decker Professional Power Station**. Read this **Instruction Manual** and follow the instructions carefully before using this unit.

FEATURES



1. Built-in 120 volt AC charger (under protective cover)
2. Ergonomic rubber grip handle
3. Jump-starter power switch
4. Air hose and connector (chuck)
5. Storage compartment cover
6. Nozzles
7. Positive (+) red clamp
8. LED area light
9. Negative (-) black clamp
10. 12 Volt DC Charging Adapter (may be sold separately)
11. Dual 120 volt AC outlets (under protective covers)
12. Air pressure gage
13. Battery status LED indicators
14. Battery power level button
15. Reverse polarity indicator
16. 12 volt DC accessory outlet (under protective cover)
17. Inverter power switch
18. Inverter power indicator
19. Compressor power switch
20. Area light on/off button
21. USB power indicator
22. USB power on/off button
23. USB charging port (under protective cover)

CHARGING/RECHARGING

Lead-acid batteries require routine maintenance to ensure a full charge and long battery life. All batteries lose energy from self-discharge over time and more rapidly at higher temperatures. Therefore, batteries need periodic charging to replace energy lost through self-discharge. When the unit is not in frequent use, manufacturer recommends the battery be recharged at least every 30 days.

⚠ WARNING: Never attempt to use the AC and DC charging methods at the same time.

Notes: This unit is delivered in a partially charged state – you must fully charge it before using it for the first time. Initial AC charge should be for 40 hours.

Recharging battery after each use will prolong battery life; frequent heavy discharges between recharges and/or overcharging will reduce battery life.

Make sure all other unit functions are turned off during recharging, as this can slow the recharging process.

Charging/Recharging Using the 120 Volt AC Charger and a Standard Household Extension Cord (not included)

1. Lift the cover built-in 120 volt AC charger located on the lower left front of the unit (refer to the Features section to locate). Connect an extension cord to the unit. Plug the other end of the cord into a standard 120-volt AC wall outlet.
2. Charge until two red LED battery status indicators light and one green LED battery status indicator lights or flashes.
3. Disconnect the extension cord.

Notes: The unit cannot be overcharged using the AC method.

The unit will not charge if the inverter power switch is turned on.

12 Volt DC Charging Method (may be sold separately)

The DC recharging method will NOT recharge the unit as effectively as recharging from 120 volt AC. The 12 volt DC recharging procedure is recommended only when it is necessary, since frequent use of the 12 volt DC recharging procedure may shorten the battery system's life.

Charging the unit from an external 12 volt DC power source requires the use of the 12 Volt DC adapter. This adapter has a male DC connector at each end.

1. Insert the gold-tipped 12 Volt DC Charging Adapter plug into the vehicle's 12 volt DC accessory outlet.
2. Insert the silver-tipped end plug into the 12 volt DC accessory outlet on the front panel of the unit.
3. Charge the unit until the green FULL indicator lights when the Battery Power Level Button is pressed (with the adapter unplugged from the unit). **DO NOT CHARGE MORE THAN 6 HOURS MAXIMUM USING THIS METHOD.**
4. When charging is complete, remove the charging cord and store in a safe place.

Notes: Some vehicles require that the ignition be switched to the accessory outlet position in order to power the accessory outlet.

Do not leave the unit unattended when charging using this method.

JUMP-STARTER

This Jump-Starter is equipped with an On/Off Power Switch. Once the connections are properly made, turn the switch on to jump-start the vehicle.

1. Turn off vehicle ignition and all accessories (radio, A/C, lights, connected cell phone chargers, etc.). Place vehicle in "park" and set the emergency brake.
2. Make sure the Jump-Starter Power Switch is turned to off.
3. Remove jumper clamps from clamp tabs. Connect the red clamp first, then the black clamp.
4. **Procedure for jump-starting a NEGATIVE GROUNDED SYSTEM (negative battery terminal is connected to chassis) (MOST COMMON)**
 - 4a. Connect positive (+) red clamp to vehicle battery's positive terminal.
 - 4b. Connect negative (-) black clamp to chassis or a solid, non-moving, metal vehicle component or body part. Never clamp directly to negative battery terminal or moving part. Refer to the automobile owner's manual.

5. Procedure for jump-starting POSITIVE GROUND SYSTEMS

Notes: In the rare event that the vehicle to be started has a Positive Grounded System (positive battery terminal is connected to chassis), replace steps 4a and 4b above with steps 5a and 5b, then proceed to step 6.

- 5a. Connect negative (-) black clamp to vehicle battery's negative terminal.
- 5b. Connect positive (+) red clamp to vehicle chassis or a solid, non-moving, metal vehicle component or body part. Never clamp directly to Positive battery terminal or moving part. Refer to the automobile owner's manual.
6. When clamps are connected properly, turn the Jump-Starter Power Switch to ON.
7. Turn ON the ignition and crank the engine in 5-6 second bursts until engine starts.
8. Turn the Jump-Starter Power Switch back to the OFF position.
9. Disconnect the negative (-) engine or chassis clamp first, then disconnect the positive (+) battery clamp.

⚠ **WARNING: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:**

- **FOLLOW ALL SAFETY INSTRUCTIONS FOUND IN THE "SPECIFIC SAFETY INSTRUCTIONS FOR JUMP STARTERS" SECTION OF THIS INSTRUCTION MANUAL.**
- This power system is to be used ONLY on vehicles with 12-volt DC battery systems.
- Never touch red and black clamps together — this can cause dangerous sparks, power arcing, and/or explosion.
- Always turn the unit off when not in use.

⚠ **CAUTION: TO REDUCE THE RISK OF PROPERTY DAMAGE:**

- Vehicles that have on-board computerized systems may be damaged if vehicle battery is jump-started. Before jump-starting this type of vehicle, read the vehicle manual to confirm that external-starting assistance is advised.
- Excessive engine cranking can damage the vehicle's starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump-start procedure and look for other problems that need to be corrected.
- If the connections to the battery's positive and negative terminals are incorrect, the reverse polarity indicator will light and the unit will sound a continuous alarm until the clamps are disconnected. Disconnect clamps and reconnect to battery with correct polarity.
- If vehicle fails to start, turn off the ignition, turn off the jump-starter power switch, disconnect the jump-start system's leads and contact a qualified technician to investigate why the engine did not start.
- Recharge this unit fully after each use.

120 VOLT AC PORTABLE POWER SUPPLY

Rated Versus Actual Current Draw of Equipment

Most electrical tools, appliances, electronic devices and audio/visual equipment have labels that indicate the power consumption in amps or watts. Be sure that the power consumption of the item to be operated is below 500 watts. If the power consumption is rated in amps AC, simply multiply by the AC volts (120) to determine the wattage.

Resistive loads are the easiest for this unit to run; however, it will not run larger resistive loads (such as electric stoves and heaters), which require far more wattage than the unit can deliver on a

continuous basis. Inductive loads (such as TVs and stereos) require more current to operate than do resistive loads of the same wattage rating.

⚠ **CAUTION: RECHARGEABLE DEVICES**

- Certain rechargeable devices are designed to be charged by plugging them directly into an AC receptacle. These devices may damage the inverter or the charging circuit.
- When using a rechargeable device, monitor its temperature for the initial ten minutes of use to determine if it produces excessive heat.
- If excessive heat is produced, this indicates the device should not be used with this inverter.
- This problem does not occur with most of the battery-operated equipment. Most of these devices use a separate charger or transformer that is plugged into an AC receptacle.
- The inverter is capable of running most chargers and transformers.

Power Inverter Output Waveform

The AC output waveform of this inverter is known as a modified sine wave. It is a stepped waveform that has characteristics similar to the sine wave shape of utility power. This type of waveform is suitable for most AC loads, including linear and switching power supplies used in electronic equipment, transformers, and small motors.

Using the Dual 120 Volt AC Outlets

The two 120 volt AC outlets each are located under a protective cover on the left hand side of the front panel (refer to the Features section to locate). The two outlets support a combined maximum power draw of 500 watts.

1. Press the inverter power switch to turn the inverter on (I). The inverter power indicator will light red to indicate the two 120 volt AC outlets are ready to use.
2. Lift up the cover of the 120 volt AC outlet.
3. Insert the 120 volt AC plug from the appliance into the 120 volt AC outlet.
4. Switch on the appliance and operate as usual.
5. Periodically check the unit's battery status by pressing the battery power level button. (Two red and one green battery status indicator lights indicate a full battery. Only one red battery status indicator lights indicates that the unit needs to be recharged.)

Protective Features

The inverter monitors the following conditions:

Low internal battery voltage: The inverter will automatically shut down when the battery voltage drops too low, as this can harm the battery.

High internal battery voltage: The inverter will automatically shut down when the battery voltage is too high, as this can harm the unit.

Thermal shutdown protection: The inverter will automatically shut down when the unit becomes overheated.

Overload/short circuit protection: The inverter will automatically shut down when an overload or short circuit occurs.

IMPORTANT NOTES: The inverter power indicator will flash red to indicate that one of the above fault conditions is present before automatic shutdown occurs. Should this occur, take the following steps:

1. Disconnect all appliances from the unit.
2. Press the inverter power switch to turn the inverter off (O).
3. Allow the unit to cool down for several minutes.
4. Make sure the combined rating for all appliances plugged into the unit is 500 watts or lower and that appliance cord(s) and plug(s) are not damaged.
5. Assure there is adequate ventilation around the unit before proceeding.

12 VOLT DC PORTABLE POWER SUPPLY

The 12 volt DC accessory outlet is located under a protective cover on the right hand side of the front panel (refer to the Features section to locate). This portable power source is for use with all 12 volt DC accessories equipped with a male accessory outlet plug that are rated up to 5 amps.

1. Lift up the cover of the unit's 12 volt DC outlet.
2. Insert the 12 volt DC plug from the appliance into the 12 volt accessory outlet on the unit. **DO NOT EXCEED A 5 AMP LOAD.**

3. Switch on the appliance and operate as usual.
4. Periodically check the unit's battery status by pressing the battery power level button. (Two red and one green battery status indicator lights indicate a full battery. Only one red battery status indicator lights indicates that the unit needs to be recharged.)

USB POWER PORT

The USB power port is under the same protective cover as the 12 volt DC outlet at the left hand side of the front panel (refer to the Features section to locate).

1. Push the USB Power Button to turn the USB Port on and the USB power indicator will light.
2. Lift up the cover of the USB Charging Port.
3. Plug the USB-powered device into the USB Charging Port and operate normally.
4. Periodically check the unit's battery status by pressing the battery power level button. (Two red and one green battery status indicator lights indicate a full battery. Only one red battery status indicator lights indicates that the unit needs to be recharged.)

Notes: This unit's USB Power Port does not support data communication. It only provides 5 volts/500mA DC power to an external USB-powered device.

Make sure the USB Power Button is in the off position when the unit is being recharged or stored.

Some household USB-powered electronics will not operate with this unit.

AREA LIGHT

The built-in 3-LED area light located on the back of the unit is controlled by the area light on/off button on the front panel (refer to the Features section to locate). Press the area light on/off button once to turn the light on. Press the area light on/off button again to turn the area light off. Make sure the area light and the unit are turned off when the unit is being recharged or stored.

Periodically check the unit's battery status by pressing the battery power level button. (Two red and one green battery status indicator lights indicate a full battery. Only one red battery status indicator lights indicates that the unit needs to be recharged.)

PORTABLE COMPRESSOR

The built-in 12 volt DC compressor is the ultimate compressor for all vehicle tires, trailer tires and recreational inflatables. The compressor hose with connector (chuck) is stored in the compressor hose storage compartment. The compressor on/off switch is located on the front panel of the unit to the right of the air pressure gage (refer to the Features section to locate). The compressor can operate long enough to fill up to 3 average sized tires before the battery must be recharged.

The compressor may be used by removing the air hose from the storage compartment and, if required, fitting an appropriate nozzle to the air hose. Return hose to the storage compartment after use.

⚠ WARNING: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE: FOLLOW ALL SAFETY INSTRUCTIONS FOUND IN THE "SPECIFIC SAFETY INSTRUCTIONS FOR COMPRESSORS" SECTION OF THIS INSTRUCTION MANUAL.

⚠ CAUTION: TO REDUCE THE RISK OF PROPERTY DAMAGE:

Do not operate compressor continuously for extended periods of time (approximately 10 minutes, depending on ambient temperatures), as it may overheat. In such event, compressor will automatically shut down. Immediately press the compressor on/off button to turn the compressor off. Restart after a cooling down period of approximately 30 minutes.

Inflating Tires or Products With Valve Stems

1. Place connector (chuck) on valve stem.
2. Ensure connector is pushed on to valve stem as far as possible before closing thumb latch.
3. Make sure latch is secure.
4. Turn on the compressor power switch.
5. Check pressure with the pressure gage.
6. When desired pressure is reached, open thumb latch and remove connector from valve stem.
7. Turn off compressor power switch.
8. Allow unit to cool before storing away.
9. Store compressor hose and connector (chuck) in storage compartment.

Inflating Other Inflatables Without Valve Stems

Inflation of other items requires use of one of the adapters (nozzles).

1. Select the appropriate nozzle, located on the inside back cover.
2. Insert appropriate adapter (i.e. needle) into connector (chuck) and close thumb latch.
3. Insert adapter (i.e., needle) into item to inflate to appropriate pressure.
4. Turn on the compressor power switch — inflate to desired pressure or fullness.
IMPORTANT NOTE: Small items such as volleyballs, footballs, etc. inflate very rapidly. Do not over-inflate.
5. Remove adapter.
6. Switch the Compressor Power Switch off.
7. Allow unit to cool before storing away.
8. Store compressor hose and connector (chuck) in storage compartment.

TROUBLESHOOTING

Unit will not charge

- Make sure the inverter power switch is in the off position.
- Make sure a suitable gage extension cord is properly connected to both the unit and a functioning AC outlet.

or

- Make sure the 12 volt DC charger is properly connected to both the unit and a functioning DC power source.

Unit fails to jump-start

- Make sure unit's jump-starter power switch is in the on position.
- Check that unit has a full charge. Recharge unit if necessary.
- Make sure a proper polarity cable connection has been established.

120 volt AC outlet will not power appliance

- Make sure the inverter power switch is in the on position.
- Make sure you have followed all the steps in the 120 AC portable power supply instructions carefully.
- Refer to the important notes included in that section that explain common problems and solutions.
- Check that unit has a full charge. Recharge unit if necessary.

12 volt DC accessory outlet will not power appliance

- Make sure the the appliance does not draw more than 5 amps.
- Check that unit has a full charge. Recharge unit if necessary.

USB power port will not power appliance

- Make sure the USB power button is in the on position.
- Check that unit has a full charge. Recharge unit if necessary.

LED area light does not come on

- Make sure the area light on/off button is in the on position
- Check that unit has a full charge. Recharge unit if necessary.

Portable Compressor will not inflate

- Make sure the compressor power switch is in the on position.
- Check that unit has a full charge. Recharge unit if necessary.
- Make sure connector (chuck) is pushed to valve stem and thumb latch is closed when attempting to inflate tires; or nozzle (adapter) is securely inserted into connector (chuck) on all other inflatables.
- The compressor may be overheated. Press the compressor on/off button to turn the compressor off. Restart after a cooling down period of approximately 30 minutes.

CARE AND MAINTENANCE

All batteries lose energy from self-discharge over time and more rapidly at higher temperatures. When the unit is not in use, we recommend that the battery is charged at least every 30 days.

Never submerge the unit in water. If the unit gets dirty, gently clean the outer surfaces of the unit with a soft cloth moistened with a mild solution of water and detergent.

There are no user-replaceable parts. Periodically inspect the condition of adapters, connectors and wires. Contact manufacturer to replace any components that have become worn or broken.

Battery replacement/disposal

BATTERY REPLACEMENT

The battery should last the service life of the unit. Contact manufacturer for any information you may need.

SAFE BATTERY DISPOSAL

Contains a maintenance-free, sealed, non-spillable, lead acid battery, which must be disposed of properly. Recycling is required, contact your local authority for information. Failure to comply with local, state and federal regulations can result in fines, or imprisonment.

Contact your local waste management authority to dispose of this product.

⚠ WARNINGS:

- **Do not dispose of the battery in fire as this may result in an explosion.**
- **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.**

12 volt DC charger plug fuse replacement (may be sold separately)

The fuse in the plug end of the 12 volt DC charger protects the adapter's charging circuit. If the 120 volt AC charger operates, but the DC charging adapter does not, then this fuse may be opened (blown).

To replace the fuse:

1. Unscrew the end cap of the DC plug (counterclockwise).
2. Remove spring center contact and fuse.
3. Check fuse with a continuity checker.
4. If blown, locate a replacement 8 amp fuse.
5. Replace the fuse, spring, contact and end cap.
6. Screw end cap clockwise until it is finger tight – DO NOT OVER-TIGHTEN.
7. Test for proper operation of the 12 Volt DC Charging Adapter.



SPECIFICATIONS

Boost Ampere:	450 instantaneous cranking amps
Battery Type:	Sealed, high energy density, AGM, lead-acid, rechargeable, maintenance-free, 12 volt DC
Area light:	3 white LEDs
USB port:	5Vdc, 500mA
DC accessory outlet:	12Vdc, 5A
Dual 120V AC outlets:	120Vac, 60Hz, 500W continuous