

SIMPLE

INSTRUCTION MANUAL



Catalog Number BB7B

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BEFORE RETURNING THIS PRODUCT FOR ANY REASON PLEASE CALL 1-800-544-6986

BEFORE YOU CALL, HAVE THE CATALOG No, AND DATE CODE AVAILABLE. IN MOST CASES, A **BLACK & DECKER** REPRESENTATIVE CAN RESOLVE THE PROBLEM OVER THE PHONE. IF YOU HAVE A SUGGESTION OR COMMENT, GIVE US A CALL. YOUR FEEDBACK IS VITAL TO BLACK & DECKER.

SAVE THIS MANUAL FOR FUTURE REFERENCE.

Cat. # BB7B	Form # 90508866-00	
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\vartriangle General safety warnings and instructions for all appliances

READ ALL INSTRUCTIONS

▲ **WARNING:** Read all instructions before operating product. Failure to follow all instructions listed below 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.

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

• **USE RIGHT APPLIANCE.** Do not use the appliance for any job except that for which it is intended.

• **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.

• USE SAFETY GLASSES AND OTHER SAFETY EQUIPMENT. Use safety goggles or safety glasses with side shields, complying with applicable safety standards and, when needed, a face shield. Also use face or dust mask if operation is dusty. This applies to all persons in the work area. Also use a hard hat, hearing protection, gloves, safety shoes and dust collection systems when specified or required. Safety glasses or the like are available at extra cost at your local dealer or Black & Decker Service Center.

• **DON'T ABUSE CORD.** Never carry appliance by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.

• DON'T OVERREACH. Keep proper footing and balance at all times.

• **DISCONNECT APPLIANCES.** Disconnect the appliance from the power supply when not in use, before servicing, and when changing accessories such as blades and the like.

• AVOID UNINTENTIONAL STARTING. Don't carry plugged-in appliance with finger on switch. Be sure switch is off when plugging in.

• **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. Note: Refer to the accessory section of this manual for further details.

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• **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.

• **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.

• **DO NOT OPERATE** portable electric tools near flammable liquids or in gaseous or explosive atmospheres. Certain components in these tools normally spark, and the sparks might ignite fumes.

• **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.

• **EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, 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.

Minimum Gage for Cord Sets Volts Total Length of Cord in Feet						
120V		0-25	26-50	51-100	101-150	
		(0-7,6m)	(7,6-15,2m)	(15,2-30,4m)	(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						
More Than	Not mo Than	bre	American Wir	re Gage		
0 -	6	18	16	16	14	
6 -	10	18	16	14	12	
10 -	12	16	16	14	12	
12 -	16	14	12	Not Recomme	nded	

SAFETY GUIDELINES / DEFINITIONS

 ${\rm \bigtriangleup}\, DANGER:$ Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

 ${\rm \Delta}$ **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 \triangle **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 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. Black & Decker 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.

• Follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use with this unit. Review cautionary markings on these products and on engine.

IMPORTANT SAFETY INSTRUCTIONS

 \triangle **WARNING:** This product or its power cord contains lead, a chemical known to the State of California to cause cancer and birth defect or other reproductive harm. Wash hands after handling.

▲ 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.

▲ WARNING: SHOCK HAZARD:

• An extension cord should not be used unless absolutely necessary. If extension cord must be used, make sure that:

a) the pins of extension cord are the same number, size and shape as those in the battery booster,

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 as indicated in the table above.

• Do not operate unit with damaged cord or plug; or if the unit has received a sharp blow, been dropped, or otherwise damaged in any way. Do not disassemble the unit; take it to a qualified service technician when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire, and will void warranty. • 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.

• 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.

\triangle 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 battery booster 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.

▲ **WARNING:** TO REDUCE THE RISK OF INJURY, THIS UNIT SHOULD ONLY BE OPERATED BY ADULTS; IT IS NOT FOR USE BY CHILDREN.

A CAUTION: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:

 Pull cord by plug rather than cord when disconnecting the 120 Volt AC Charging Adapter from the unit and when disconnecting the Simple Start[™] from the vehicle's 12 Volt DC accessory outlet.

• NEVER ATTEMPT TO JUMP-START OR CHARGE A FROZEN BATTERY.

• When using this unit to boost/start a vehicle, use only the built-in 12 Volt DC Vehicle Adapter. The 12 Volt DC Outlet is strictly for use as an accessory outlet.

• To recharge this unit, use only the supplied AC Charging Adapter or the built-in 12 Volt DC Adapter Plug.

• 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.

• Never insert a vehicle cigarette lighter into the unit's 12 Volt DC Accessory Outlet.

• 12 volts are present on the 12 volt plug end when the receptacle door is open. To avoid damage of the product, store the plug in the compartment after use.

• When storing the unit, turn the unit off and store the 12 Volt Plug in the compartment.

• Have plenty of fresh water and soap nearby in case battery acid contacts skin.

• If battery acid contacts skin or clothing, wash immediately with soap and water for at least 10 minutes and get medical attention immediately.

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• Never smoke or allow a spark or flame in vicinity of vehicle battery, engine or battery booster.

• 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 the like of a metal, causing a severe burn.

• Read and understand this instruction manual before using this unit.

SAVE THESE INSTRUCTIONS

INTRODUCTION

Thank you for choosing the **Black & Decker® Simple Start**[™]. This unit is a compact, durable, portable jump-start system for vehicles and boats that have a standard 12 volt battery system and a 12 volt DC accessory outlet. This self-contained, rechargeable system will charge most vehicle systems and boats without the need for a host vehicle or 120 volt AC power supply.

The BB7B can also be used as a portable source of 12 volt DC electric power for use with 12 volt DC cordless, rechargeable products and DC/AC power inverters. The unit's long-life LED Area Light provides proper lighting for connecting the unit to a vehicle's accessory outlet.

NOTE: THIS UNIT IS DELIVERED IN A PARTIALLY CHARGED STATE – YOU MUST FULLY CHARGE IT BEFORE USING IT FOR THE FIRST TIME. INITIAL 120 VOLT AC CHARGE TIME SHOULD BE FOR 15 HOURS.

Please read this manual carefully before use to ensure optimum performance and avoid damage to the unit or items that you are using it with.

FEATURES

• Battery boosts/charges without the need of another vehicle and without having to leave the vehicle in need of a jump-start — using the vehicle's 12 volt DC accessory outlet and the built-in, fused 12 Volt DC Vehicle Charger.

• 12 Volt DC Outlet for powering and recharging accessories and appliances.

• Ultra bright, long-life LED Area Light.

• Includes 3 non-spillable, maintenance-free, heavy-duty, sealed lead acid batteries.

- Rechargeable with supplied 120 Volt AC Charger.
- Requires no maintenance (other than recharging) for optimum operation.
- Molded high-impact case is tough and durable.



USING THE SIMPLE START[™] IN BOOST MODE

Make sure the unit is sufficiently charged before attempting to use this feature (see the "Charging/Recharging" section on page 8).

1. Turn off headlights, cabin light, radio and all other vehicle accessories before using the SimpleStart[™] in boost mode.

2. Turn the unit ON by pressing the ON/OFF Power Push button. The unit will beep once and the red Power LED Indicator and Battery Status LED Indicator will light to indicate it is functioning.

3. Remove the 12 Volt DC Vehicle Charging Cord from its storage compartment and plug it into the vehicle's 12 volt DC accessory outlet.

4. Press the Vehicle Boost Push button. If properly connected, the unit will beep once again and the Vehicle Boost LED Indicator will *flash green*, indicating the vehicle battery is *being charged/boosted*. If the unit beeps continuously, recheck plug connection. If plug is properly connected and the unit still beeps continuously, your vehicle's ignition key may need to be in the accessory (ACC) position to activate the 12 Volt DC outlet. If so turn the unit off, turn the ignition key to the accessory position, turn the unit back on and press the Vehicle Boost Push button.

5. When the Vehicle Boost LED Indicator stops flashing and *lights green* steadily and the unit beeps continuously, (generally, after approximately 15 minutes), the vehicle battery has been boosted. Turn the vehicle ignition and crank the engine in 5-6 second bursts until engine starts.
6. After use, turn the BB7B OFF by pressing the ON/OFF Power Push button and recharge the unit as soon as possible so it is ready for the next emergency (see the "Charging/Recharging" section on page 8).
Notes: The Simple Start[™] will NOT function in boost mode while the unit is recharging, the 12 Volt DC Outlet is in use, or if the 12 Volt DC Outlet cover is open. Some vehicles require that the car be started in order to use the 12 volt DC accessory outlet. Simply turn the ignition switch to the accessory position before connecting the Simple Start[™].

A WARNING: TO REDUCE THE RISK OF INJURY:

• Make sure the unit is disconnected from all charging power sources before beginning the jump-starting procedure.

• Use this power system ONLY on vehicles with 12 volt DC battery systems and negatively-grounded vehicles.

• Do not operate unit if there is any evidence of damage. The product must be returned to the manufacturer for testing and repair. Replace any damaged charging adapters immediately before further 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 owner's 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 (refer to the vehicle's owner manual), discontinue jump-start procedure and look for other problems that need to be corrected.

USING THE 12 VOLT DC PORTABLE POWER SUPPLY

This portable power supply is for use with all 12 volt DC accessories equipped with a male accessory outlet plug and rated up to 5 amps.

1. Check to ensure that the 12 Volt Plug is stored in the compartment. If not, store it in the compartment.

2. Turn the unit On by pressing the ON/OFF Power Push Button and lift up the cover of the unit's 12 Volt DC Outlet.

 Insert the 12 volt DC plug from the appliance into the 12 Volt DC Accessory Outlet on the top of the unit. DO NOT EXCEED A 5 AMP LOAD.
 Switch on the appliance and operate as usual.

Note: Do not attempt to use the Simple Start" or recharge the unit while the 12 Volt DC Outlet is in use.

USING THE LED AREA LIGHT

The LED Area Light is controlled by the Area Light ON/OFF Push button on the top panel of the unit (see page 6). Make sure the LED Area Light is turned OFF when the unit is being recharged or stored.

CARE AND MAINTENANCE

This product has sealed lead acid batteries that should be kept fully charged. Recharge before first use, immediately after each use, or at least once a month if not in frequent use. Failure to do this may reduce the battery life dramatically.

Note: 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 15 hours.

Use only mild soap and damp cloth to clean the tool. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

IMPORTANT: To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (other than those listed in this manual) should be performed by authorized service centers or other qualified service personnel, always using identical replacement parts.

CHARGING/RECHARGING

For maximum battery life, we recommend the unit be kept fully charged at all times. To charge this unit, use only the supplied AC Charging Adapter or the built-in 12 Volt DC Adapter Plug.

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

120 Volt AC Recharge

1. Turn the unit ON by pressing the ON/OFF Power Push button. The unit will beep once and the red Power LED Indicator and Battery Status LED Indicator will light.

 Connect the barrel tip of the 120 Volt AC Charging Adapter into the 12 Volt DC Charging Port at the top of the unit (see "Controls and Indicators" on page 6).
 Plug the other end of the cord into a standard North American 120 volt AC wall outlet.

4. Press the Recharge Unit Push button. The unit will beep once again and the Battery Status LED Indicator will *flash green*, indicating the unit is *charging*.

5. When the Battery Status LED Indicator stops flashing and *lights green steadily*, the unit is *fully charged*.

6. When charging is complete, disconnect the 120 Volt AC Charging Adapter and store in a safe place.

12 Volt DC Recharge

1. Turn the unit ON by pressing the ON/OFF Power Push button. The unit will beep once and the red Power LED Indicator and Battery Status LED Indicator will light.

2. Remove the 12 Volt DC Vehicle Charging Cord from its storage compartment and plug it into the vehicle's 12 volt DC accessory outlet.

3. Press the Recharge Unit Push button. The unit will beep once again and the Battery Status LED Indicator will *flash green*, indicating the unit is *charging*. 4. When the Battery Status LED Indicator stops flashing and *lights green* steadily, the unit is fully charged.

5. When charging is complete, disconnect the 12 Volt DC Charging Cord and return it to its storage compartment.

Notes: The unit cannot be recharged while the 12 Volt DC Outlet is in use or while the unit is being used to boost/start a vehicle.

It is recommended that the LED Area Light be turned OFF while charging. STANDBY MODE

When the unit is in Standby Mode (not connected to a vehicle and not charging, but with the power ON), the Battery Status LED Indicator will light green to indicate it is ready for use. If the Battery Status LED Indicator lights red, the unit needs to be charged.

FUSE REPLACEMENT (DC CHARGING ADAPTER)

1. Remove the gold cap and washer by turning counterclockwise and lifting off. Take care to be sure not to lose the washer inside the gold cap.

2. Remove the center pin and spring. Remove the fuse.

- 3. Replace the fuse with a same type and size fuse (8 amp).
- 4. Replace the center pin and spring inside the plug.

5. Replace the gold cap and washer by turning clockwise onto the plug.

BATTERY REPLACEMENT

It is recommended that the unit be returned to manufacturer for battery replacement. Contact Customer Service, toll-free, at (800) 54-HOW-TO.

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. For more information on recycling this battery, call tollfree (800) 822-8837.

A WARNING: TO REDUCE THE RISK OF INJURY / EXPLOSION:

• 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.

TROUBLESHOOTING GUIDE

1	TROUBLESHOOTING GUIDE						
Problem	Possible cause	Solution					
UNIT WILL NOT Recharge	• FUSE IN DC PLUG IS OPEN	REPLACE DC PLUG FUSE. SEE FUSE REPLACEMENT INSTRUCTIONS					
	• DC PLUG NOT CONNECTED TO Vehicle	• BE SURE TO PROPERLY MAKE A GOOD Connection to vehicle's accessory outlet Before Recharging Unit					
	• DC PLUG DAMAGE	• HAVE CORD REPLACED AT BLACK & DECKER Service center or authorized dealer					
	• 120 VOLT AC CHARGING ADAPTER Not connected to charging Port	• CONNECT 120 VOLT AC WALL CUBE ADAPTER Barrel Connector to Unit's Recharging Port And Then to 120 volt ac Wall Receptacle					
	• NO POWER AFTER CONNECTING TO 120 Volt Wall Receptacle	• 120 VOLT RECEPTACLE CIRCUIT TRIPPED NEEDS To be reset. If problem continues servicing Receptacle is advised.					
	• 12 VOLT ACCESSORY OUTLET Door on Unit Open	• CLOSE UNIT'S 12 VOLT ACCESSORY OUTLET DOOR					
	• RECHARGE MODE SWITCH ON Control Panel not activated	• PRESS RECHARGE BUTTON ONCE AND GREEN LED WILL BEGIN FLASHING INDICATING CHARGING PROCESS					
UNIT ALARMS Continuously During Recharging	• SUDDEN INTERRUPTION OF DC Power Source	• CHECK DC CORD FOR PROPER CONNECTION					
	• SUDDEN INTERRUPTION OF 120 Volt ac power source	• CHECK 120 VOLT AC CORD FOR POWER					
BOOST MODE NOT WORKING OR VEHICLE STARTING FAILED	• UNIT IS ON STANBY MODE	• CONNECT UNIT TO VEHICLE AND PRESS BOOST Mode Pushbutton					
	• BOOST MODE WILL NOT ACTIVATE After connecting to vehicle	• BE SURE TO PROPERLY INSERT PLUG INTO Vehicle accessory outlet					
	• BOOST MODE WILL NOT ACTIVATE After connecting to vechicle	• PUT KEY IN VEHICLE IGNITION SWITCH & TURN TO ACCESSORY MODE (NECESSARY IN SOME VEHICLES)					
	• UNIT IS NOT POWERED	• TURN UNIT TO THE ON POSITION AND PRESS BOOST MODE PUSHBUTTON					
	• UNIT IS RECHARGING	•DISCONNECT RECHARGING ADAPTERS					
	• 12 VOLT ACCESSORY DOOR OPEN	• CLOSE ACCESSORY OUTLET DOOR					
	• DC PLUG FUSE OPENED	• REPLACE DC PLUG FUSE, SEE FUSE REPLACEMENT INSTRUCTIONS					
	• UNIT IS NOT CHARGED	• UNIT NEEDS TO BE FULLY CHARGED FOR Optimum performance					
	• VEHICLE'S BATTERY NEEDS TO BE Replaced or vehicle might Present other problems	• SEE A QUALIFIED TECHNICIAN					
• 12 VOLT DC Accessory Outlet Not Working	• UNIT DOOR IS CLOSED	OPEN 12 VOLT DC ACCESSORY OUTLET DOOR					
	• UNIT IS NOT CHARGED	• RECHARGE UNIT, SEE RECHARGING INSTRUCTIONS					
	• EXCESSIVE LOAD CONNECTED TO UNIT	• REDUCE LOAD TO LESS THAN 60 WATTS					
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For assistance with your product, visit our website **www.blackanddecker.com** for the location of the service center nearest you or call the BLACK & DECKER help line at **1-800-544-6986**.

Accessories

Recommended accessories for use with your tool are available from your local dealer or authorized service center. If you need assistance regarding accessories, please call: **1-800-544-6986**.

 \triangle **WARNING:** The use of any accessory not recommended for use with this tool could be hazardous.

SERVICE INFORMATION

All Black & Decker Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service. Whether you need technical advice, repair, or genuine factory replacement parts, contact the Black & Decker location nearest you. To find your local service location, refer to the yellow page directory under "Tools—Electric" or call: **1-800-544-6986** or visit **www.blackanddecker.com**

FULL TWO-YEAR HOME USE WARRANTY

Black & Decker (U.S.) Inc. warrants this product for two years against any defects in material or workmanship. The defective product will be replaced or repaired at no charge in either of two ways.

The first, which will result in exchanges only, is to return the product to the retailer from whom it was purchased (provided that the store is a participating retailer). Returns should be made within the time period of the retailer's policy for exchanges (usually 30 to 90 days after the sale). Proof of purchase may be required. Please check with the retailer for their specific return policy regarding returns that are beyond the time set for exchanges.

The second option is to take or send the product (prepaid) to a Black & Decker owned or authorized Service Center for repair or replacement at our option. Proof of purchase may be required. Black & Decker owned and authorized Service Centers are listed under "Tools-Electric" in the yellow pages of the phone directory and on our website www.blackanddecker.com.

This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state or province to province. Should you have any questions, contact the manager of your nearest Black & Decker Service Center. This product is not intended for commercial use.

FREE WARNING LABEL REPLACEMENT: If your warning labels become illegible or are missing, call 1-800-544-6986 for a free replacement.

SPECIFICATIONS

Battery Type:

Area Light: Accessory Outlet: AC Charging Adapter:

Imported by Black & Decker (U.S.) Inc., 701 E. Joppa Rd. Towson. MD 21286 U.S.A.



120 volt AC (500mA, 12 volt DC output)

Light Emitting Diode (LED)

Self-resetting breaker 5 amps

Three sealed, high energy density, AGM,

lead-acid, rechargeable, maintenance-free DC



Vector Products, Inc 4140 SW 28th Way Fort Lauderdale, FL 33312

batteries