

145X210mm

# **POWERTECH**

**12V 3-in-1 Jump Starter  
with USB 2.4A LED**



**MB-3734**

Jump-start your automobile, truck, motorcycle, boat, RV or tractor, or take it along as portable power for your 12 volt devices.

The 2.4 Amp USB plug has plenty of power to charge cell phones, tablets and other devices - and features an connection sensor that automatically switches off the port when it's not needed, saving energy.

Compact and lightweight, the unit includes an LED flashlight that's handy for nighttime roadside repairs, or use with camping and other outdoor activities.

**CAUTION:** Before using this product, read this manual and follow all Safety Rules and Operational Instructions.

## **IMPORTANT - BEFORE USE**

**Before using for the first time, unit must be charged for a full 36 hours.  
Please recharge Power Pack a minimum of every 2 months. Always recharge after use.**

Read this user manual before operating the product and retain for future reference.



**BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.**  
Consult your local yellow pages directory under the category "recycling" to locate a battery recycle in your area.

## **! WARNING**



Risk of **SERIOUS INJURY OR DEATH. ELECTRICAL SHOCK, EXPLOSION, FIRE, AND EYE INJURY HAZARDS.**  
**PROTECT YOURSELF AND OTHERS.**  
Before use, **READ AND UNDERSTAND** the manufacturer's instructions and Owner's Manual and User Guide.  
Failure to read and understand this information could result in **SERIOUS INJURY** or **DEATH.**  
**DO NOT REMOVE OR COVER THIS INFORMATION.**

**CAUTION: SAFETY FIRST** "Failure to heed these warnings may result in personal injury, blindness, loss of life and/or damage to machineries or power pack unit."



"When working with lead acid batteries, always use eye goggles. Contact with battery acid may cause blindness and/or severe burns."

- There is a risk of explosive gases being released when batteries are being charged or discharged. Make sure immediate first aid assistance is available in case of accident.
- Do not expose battery to fire or intense heat as explosion may occur.
- Never allow battery clamps to touch each other or another common metal conductor - This can cause damage to the unit and/or create dangerous sparks/explosion hazards.
- Do not smoke or use by open flame while working on a vehicle's battery system.
- Always disconnect the negative (Black) jumper cable first, then the positive (Red) jumper cable next
- When charging unit from 240 Volt mains, the mains socket being used should be protected by a Safety Switch (RCD).
- To avoid electrical shock, do not allow the electrical cords and outlets to get wet.
- Perform jump start procedures only in a safe, dry, well ventilated area.
- When using this unit close to the vehicle's battery and engine, place the unit only on flat, stable surface, making sure to keep all clamps, cords, clothing and body parts away from moving vehicle components.
- Keep unit out of reach of children when in storage or while in use.
- Before disposing of battery, protect terminals with heavy duty electrical tape to prevent shorting that may result in injury or fire.

## **FIRST AID FOR BATTERY ACID CONTACT:**

- **SKIN:** Rinse area of acid contact with water, then wash thoroughly with soap and water. Seek immediate medical attention if redness, pain or irritation occurs.
- **EYES:** If battery comes in contact with eyes, flush eyes immediately for a minimum of 15 minutes then immediately seek medical attention.

## **IMPORTANT SAFETY INSTRUCTIONS**

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

## **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; 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.

The unit's on-board circuitry is a revolutionary smart system that determines the battery voltage based on organic feedback, and quickly and efficiently makes decisions on how to charge the battery. The Charging/Maintaining cycle is repeated indefinitely to keep the battery at full charge, without overcharging. The power pack can be left connected to an outlet indefinitely.

**WARNING:** Never attempt to use the AC and DC charging methods at the same time. 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 min. of 36 hours.

Recharging battery after each use will prolong battery life; and prepare the unit for frequent heavy discharges

### **CAUTION: SAFETY FIRST**

Failure to follow these statements may result in damage to vehicles, appliances, and the power pack unit.

- Recharge the power pack immediately after each use.
- Turn switch to OFF position when unit is being charged or when not in use.
- Always switch to OFF position before connection to a power source/load.
- This system is designed to be used only on vehicles with 12-volt DC battery systems. Do not connect to a 6-volt or 24-volt battery system.
- Check for damaged parts. A part that is damaged should be properly repaired or replaced by an authorized service center before further use unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use power pack if switch does not turn unit on and off.
- This power pack 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 12 amps to operate from the 12 volt DC accessory outlet.
- Do not insert foreign objects into either the USB outlet or the 12 volt DC accessory outlet.
- Vehicles that have on-board computerized systems may be damaged if vehicle battery is jump started. Before jump starting, check vehicle's "Owner's Manual" to confirm if external-starting assistance is advised.
- 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 procedure and look for other problems that may need to be corrected.
- Although this unit contains a non-spillable battery, it is recommended that unit be kept upright during storage and usage. To avoid possible damage that may occur to the power pack - avoid direct sunlight, direct heat, and moisture.
- Before each use, check unit for wear and tear.
- Do not attempt to jump start a frozen battery.
- This unit will not operate appliances and equipment that produce heat, such as hair dryers, microwave ovens, and toasters.

### **IMPORTANT - BEFORE USE**

Before using unit for the first time, unit must be charged for a full 36 hours.

Please recharge Power Pack a minimum of every 2 months. Always recharge after use.



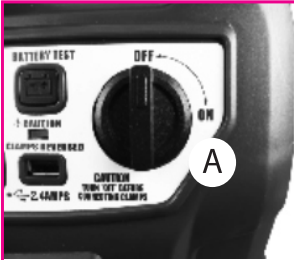
## UNIT FEATURES

1. Input Socket for DC Power Charger
2. Red LED for Battery Charging & Yellow LED for Maintaining Battery
3. 12 Volt Power Port for 12 Volt Accessories
4. Battery Status LED Indicators with Button Switch
5. Easy Carry Handle
6. On/Off Main Power Pack Switch
7. USB 2.4A Charging Port
8. On/ Off Light Switch
9. LED Work Light
10. Booster Clamps
11. 12V DC charge cord with cigarette lighter plug
12. AC Plug Pack
13. Spare Fuse

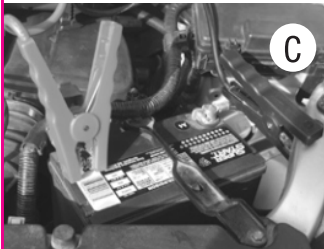
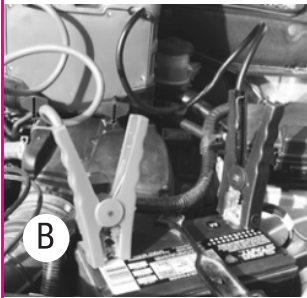
## SPECIFICATIONS

Battery Type:	12 volts DC, Maintenance-free, Sealed lead-acid AGM,
Battery Ampere:	12 volts, 1000 Peak Battery Amps@77F
Power Peak Ampere:	12 volts DC, 300 Amps, maintain above 7.2 volts for 5 seconds @ 77F
Area Light:	1 long-life white LED
USB Port:	5V DC, 2400mA
DC Accessory Outlet:	12V DC, 12A

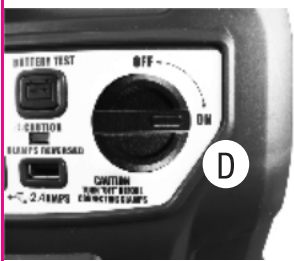
## Correct Procedure For Jump-Starting A Vehicle



Make sure unit switch is in the "OFF" position before connecting power clamps



Securely connect the red (+) clamp to your vehicle battery's positive (+) battery terminal. Connect the black (-) clamp to your battery's negative (-) battery terminal OR to a non-moving metal part of the vehicle



Turn Switch on Power Pack to ON position; start vehicle

1. Turn vehicle ignition and all accessories such as lights, radio, air conditioner, "OFF".

2. Make sure all switches on the Power Pack are turned off ("OFF" position for the Power Pack Booster Cable Switch - see "A" at left).

3. Securely connect the red (+) clamp to your vehicle battery's positive (+) battery terminal (see: "B" at left).

4. Connect the black (-) clamp to your battery's negative (-) battery terminal or to a non-moving metal part of the vehicle (see: "C" at left).

5. Turn Power Pack Booster Cable Switch to "ON" position (see: "D" at left).

6. Turn vehicle ignition "ON" and crank the engine in 3-5 seconds bursts until engine starts.

If vehicle does not immediately start, turn Power Pack Booster Cable Switch "OFF" and wait 3 minutes before trying again (failure to wait may damage Power Pack, vehicle's starter or electrical system).

If vehicle does not start after trying 3 times, check the battery status and electrical system.

7. After vehicle starts, turn the Power Pack Booster Cable Switch to "OFF" position. Disconnect the BLACK Negative clamp first, then the RED Positive clamp.

8. If the connections to the battery's POSITIVE and NEGATIVE terminals are incorrect, the Reverse Polarity Indicator will light (red) and the unit will sound a beep. Disconnect clamps and reconnect to battery with correct polarity.





## Using 12V DC Power Port of Power Pack

Convenient and simple to use anywhere, the Power Pack has a 12 Volt plug for all your 12 Volt accessories.

1. Remove the protective cover.
2. Plug in your 12-volt accessory.

Note: The Power Pack has a 12 amp automatic overload protection circuit breaker.



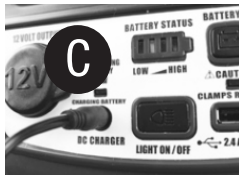
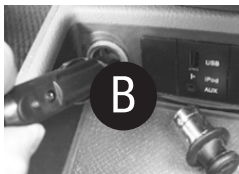
Green Light: Fully Charged  
Amber Light: Battery Usable  
Red Light: Recharge Necessary  
– Do Not Use without recharge

## Battery Status Monitor

With the Power Pack, you can tell at a glance how much charge your Power Pack has ready.

1. Before checking the battery status and to receive an accurate reading, unplug the AC or DC charging adapter from the unit and wait for few minutes for correct status reading.
2. Press and hold the Battery Test Button.
3. The Battery Level Indicator LEDs will illuminate to indicate the amount of charge remaining in the Power Pack.

**A**



## 12 Volt DC Charging Method

Charging the unit from an external 12 volt DC power source requires the use of the approved 12 Volt DC cord. This cord has a male DC connector at each end (see: "A" at left).

1. Insert the cigarette lighter plug of 12 Volt DC charge cord into the vehicle's 12 volt DC accessory outlet (see: "B" at left). Or use the AC plug pack (supplied) in mains socket (see "D" at left).

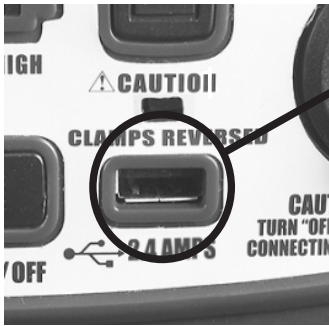
2. Insert the other end of the plug into the DC input socket on the front panel of the unit (see: "C" at left).

3. Charge the unit until the green FULL indicator lights when the Battery Test Button is pressed (with the DC 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.

Note: 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.**



## USB CHARGING PORT

Plug your device's USB cable into the USB Charging Port and power will automatically turn on and operate normally. Output power will automatically turn off after USB cable or powered device is disconnected from the Charging Port.

Note: This unit's USB Charging Port does not support data communication. It can provide 5 volt/500mA – 2400mA DC power to an external USB cable or powered Device.

Disconnect the USB cable powered device when it is not in use.



## LED WORK LIGHT

Use the LED worklight as you would a flashlight.

Turn the LED work light ON and OFF by the Light Switch on the front panel of unit (see: "4" at left). Make sure the LED work light is turned off when the unit is being recharged or stored.

## TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE	REASON/SOLUTION
The power pack won't jump start my car.	Clips are not making a good connection to the battery.	Check for poor connection to battery and frame. Make sure connection points are clean. Rock clips back and forth for a better connection.
	Connections are reversed.	Disconnect the power pack and reverse the clips.
	The power pack battery is not charged.	Check the battery charge status by pressing the button on the front of the power pack. See LED Indicators section of this manual.
	The vehicle's battery is defective.	Have the battery checked.
The power pack won't power my 12V device.	The 12V device is not turned on.	Turn on the 12V device.
	The power pack battery is not charged.	Check the battery charge status by pressing the button on the front of the power pack. See LED Indicators section of this manual.
	The 12V device draws more than 15A or has a short circuit.	Disconnect the 12V device and press the reset button located on the back of the power pack. Try the 12V device again. If it happens again, replace the 12V device.
The battery in the power pack won't hold a charge.	The battery is bad (will not accept a charge).	Have the battery checked.

**DISTRIBUTED BY:**

TechBrands by Electus Distribution Pty. Ltd.  
 320 Victoria Rd, Rydalmere  
 NSW 2116 Australia  
 Ph: 1300 738 555  
 Int'l: +61 2 8832 3200  
 Fax: 1300 738 500  
[www.techbrands.com](http://www.techbrands.com)  
 Made in China