

# **POWER TANK**

*With Built-in Spotlight & Flashlight (plus 3V, 6V, 9V, output)*

**Model: #18774**

## TO RECHARGE

### IMPORTANT

- Make sure that your battery charger is suitable for the home electric supply before recharging. (Fig. 1 & 2)
- Charge your PowerTank before using the first time.
- Always make sure the switch is "OFF" when not in use.
- Never attempt to use the battery charger provided for other products. (Fig. 4 or 5)
- If yellow LED light is on during operation, battery is weak and should be recharged (Fig. 7).
- It is not recommend to use continuously when yellow LED light is ON, do not use THE PowerTank in this condition and recharge immediately.
- Do not exceed recommended charging times. Explosion hazard exists by not following this instruction sheet.
- Do not expose to extreme heat, flame, rain or moisture. (Fig. 3)

### WARNING:

CONTINUOUS USE WHEN THE BATTERY IS LOW WILL DAMAGE THE BATTERY AND MAY AFFECT THE ABILITY TO RECHARGE YOUR POWER TANK.

## HOW TO RECHARGE

### AC RECHARGING

- Select a suitable adapter plug for the AC adapter (Fig. 7), and make sure that the plug is completely locked in the adapter.
- Push the power switch to the "CHA" position (Fig. 6) and insert the small end of the proper AC adapter into the charge input jack located on FRONT PANEL of PowerTank. (Fig. 8)
- Plug the charger into an appropriate electrical outlet. (Fig. 1 to 5 & 9) The RED recharging light should come "ON" indicating the battery is recharging. (Fig. 8)
- Charge the battery for 14 to 16 hours before initial use. After the initial charge, subsequent charges will be only eight to ten hours (approx.). If the unit is used too long after the yellow light comes on, recharging can take up to 20 hours.

### DC RECHARGING

- The DC recharging adapter is located in the compartment on the back side of the PowerTank.
- Push the power switch to the "CHA" position (Fig. 6) and insert the provided DC recharging adapter into the charge input jack located on the front panel of PowerTank. (Fig. 8)
- Insert the other end into the cigarette lighter and rotate to receive a good electrical contact. (Fig. 10) The red light should come "ON" indicating the battery is recharging (Fig. 8). Use DC 12V negative ground system only.
- The PowerTank should be charged for 5 to 8 hours (The charging rate will be 14.5 volts to 15.5 volts) while driving before initial use. After the initial charge, subsequent charges will last only six hours (approx.).

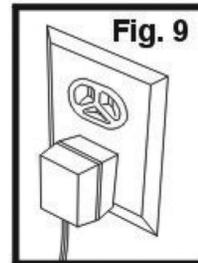
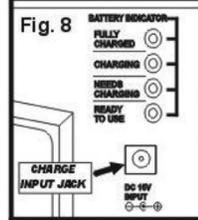
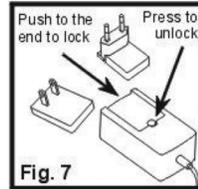
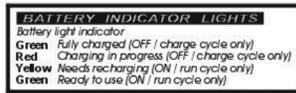
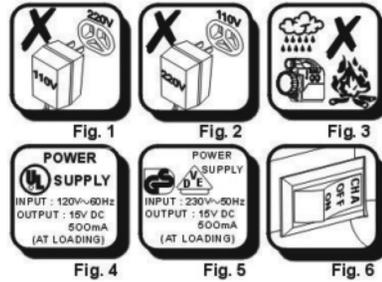
**NOTE:** Charging the battery while the car engine is not running drains the car battery and is not recommended. **Engine must be running and the charging system functioning properly in order to initiate a charge.** The ideal charging rate will be 14.5 volts to 15.5 volts, nearly identical to the charging system in most vehicles. If the unit is used too long after the yellow light comes ON, recharging can take up to eight hours.

### WARNING:

- **DON'T PLUG IN THE CIGARETTE LIGHT PLUG AND CHARGE THE UNIT WITHOUT STARTING THE ENGINE. THIS MAY DESTROY YOUR VEHICLE'S BATTERY.**
- **ALWAYS RECHARGE YOUR POWER TANK IN VENTILATED AREA, OTHERWISE EXPLOSIVE GAS MAY GENERATE DURING OVERCHARGING.**

## STORAGE

- High Temperature above 40°C should be avoided.
- It is important to store the PowerTank in a clean, cool and dry place. Radiant heat such as sunshine, heating units, radiators or steam pipes will shorten the life of the PowerTank.
- For longest life, PowerTank should be fully charged before going into storage. The PowerTank stored at 10 °C or lower should be recharged at least once per six months. The PowerTank stored at 10 °C TO 27 °C should be charged every three months and recharging should occur every 45 days in temperature from



27 °C TO 40 °C. The storage battery discharges automatically when the Power Tank is not used for a long time.  
- Make sure the PowerTank IS "OFF" before going into storage.

## OPERATION

### POWER SUPPLY

- Make sure your devices match the PowerTank's rating - DC 12V / 10A. (Fig. 12)
- Uses the DC cord with car plug to connect your device to DC 12V output receptacle.
- Switch "ON" the PowerTank before turning ON your device. (Fig. 11)

### WARNING:

12V CIGARETTE LIGHTER SOCKET CURRENT OUTPUT MUST NOT EXCEED 10 AMP.

### FLASHLIGHT

- Switch "ON" the PowerTank. (Fig. 11)
- Press Flashlight "ON/OFF" button ONCE to turn "ON" the light. (Fig. 14)
- Press "ON/OFF" button TWICE to turn on "FLASHING" function.
- Press button again to turn "OFF" the flashlight.
- Light diffuser enclosed for emergency purposes.

### POWERFUL SPOTLIGHT

- Adjust the spotlight head to desired direction. (Fig. 13)
- Switch ON the PowerTank. (Fig. 11)
- Turn ON the spotlight. (Fig. 14)

**CAUTION:** DO NOT USE TO JUMP START A VEHICLE. THIS WILL RESULT IN SHORT CIRCUIT OR CIRCUIT BREAKER CUT OFF.

### CIRCUIT BREAKER

YOUR POWER TANK BUILT-IN CIRCUIT BREAKER ENSURES A SAFE OPERATION. IF DC 12V OUTPUT OVER 10 AMP, THE CIRCUIT BREAKER WILL CUT OFF THE POWER.

### HOW TO RESET THE CIRCUIT BREAKER

- Turn "OFF" the PowerTank.
- Press the CIRCUIT BREAKER Button to reset. (Fig. 15)

### WARNING:

DO NOT RECHARGE WHEN RESETTING THE CIRCUIT BREAKER

## REPLACEMENT

### FLASHLIGHT BULB

THE FLASHLIGHT USES A 4.8V 0.5A KRYPTON BULB.

- Turn "OFF" the PowerTank and flashlight.
- Make sure the light is cooled down before replacing the bulb.
- Remove the light head by turning it counter clockwise. (Fig. 16)
- Replace with a new Krypton bulb. (Fig. 17)
- Reassemble the light head.

**WARNING: THE GLASS, REFLECTOR CUP AND THE BULB IS EXTREMELY HOT WHEN OPERATING, DO NOT TOUCH!!**

### OUTPUT JACK

- Built-in 3V, 6V, 9V output Jack, (output not exceeding 1Amp) (Fig. 18)
- Safety Fuse to protect the current of the above jack, not overload. (Fig. 19)

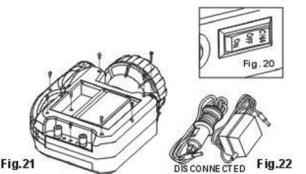
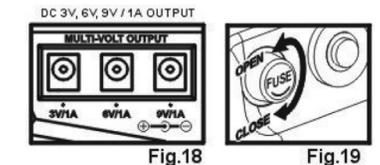
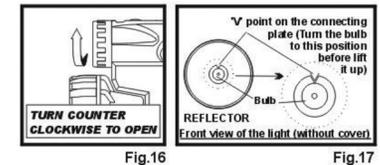
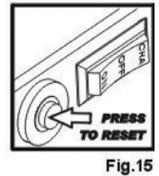
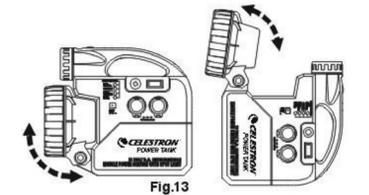
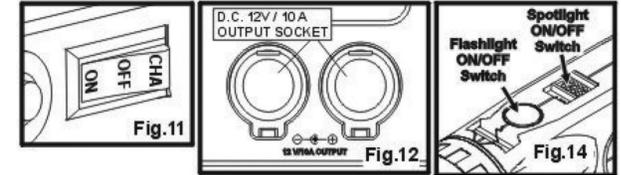
### TROUBLE SHOOTING

If the 3V, 6V 9V is overloaded the fuse will break. Turn "OFF" the Power Tank. Open the fuse cap (Fig. 19) and replace a new 2 Amp Fuse.

## TO REMOVE BATTERY FOR DISPOSAL

THIS RECHARGEABLE POWER TANK IS POWERED BY A SEALED LEAD-ACID BATTERY, ONE PC (12V 7AH/20 HR).

- Make sure the PowerTank is in the "OFF" position before removing battery. (Fig. 20)
  - Make sure the PowerTank is disconnected from charger, which must be OFF from the electric supply. (Fig. 22)
  - Remove the flashlight's light head by turning counter clockwise and remove the bulb.
  - Remove the spotlight by loose the screw.
  - Face the PowerTank down and open into 2 halves by unscrewing screws counter clockwise. (Fig. 21)
  - Cut wires to remove battery.
- CAUTION:** THERE MAY BE AN ELECTRIC SHOCK.



# TROUBLESHOOTING

PROBLEM	POSSIBLE	SOLUTION
1. NO LED INDICATOR (LOW or CHARGE) WHEN SWITCH IN 'ON' POSITION	CIRCUIT BREAKER BREAKS THE CIRCUIT	RESET THE CIRCUIT BREAKER ACCORDING TO THE INSTRUCTIONS
2. NO LED INDICATOR (FULL or CHARGE) WHEN RECHARGING.	CIRCUIT BREAKER BREAKS THE CIRCUIT	RESET THE CIRCUIT BREAKER ACCORDING TO THE INSTRUCTIONS
3. DC-OUTPUT DOESN'T WORK. WHEN SWITCH IN 'ON' POSITION	CIRCUIT BREAKER BREAKS THE CIRCUIT	RESET THE CIRCUIT BREAKER ACCORDING TO THE INSTRUCTIONS

**WARNING:** DC 12V OUTPUT SOCKET CURRENT OUTPUT, DO NOT EXCEED 10 AMP.

## STARTING AID FOR MOTOR VEHICLES

- The jumper cable terminals are located at the back of the PowerTank. (Fig. 23)
- Use the PowerTank as a source of a starting aid only when the vehicle battery is partially discharged.
- The PowerTank is not suitable for starting a vehicle with a fully discharged battery!
- Use only jumper cables of sufficient size (cross section).

### HOW TO USE THE POWER TANK TO START A VEHICLE:

- The ON/OFF switch can be set to "ON" or "OFF" position for the starting aid function.
- Connect the POSITIVE pole (+) of the PowerTank to the POSITIVE pole (+) of the vehicle battery.
- Connect the NEGATIVE pole (-) of the PowerTank to the NEGATIVE pole (-) of the vehicle battery.
- Leave the PowerTank connected to the vehicle battery for about 20 minutes.
- After approximately 20 minutes, disconnect the jumper cable from the NEGATIVE pole (-) of the vehicle battery.
- Disconnect the jumper cable from the POSITIVE pole (+) of the vehicle battery.
- This partial charge should be sufficient to start the vehicle.
- The PowerTank needs to be recharged after using as a starting aid.

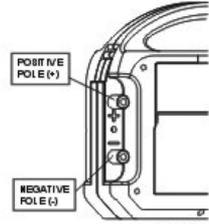


Fig.23

**WARNING:** The Fuse and Switch is a function on the connect { + } { - } pole, current flows directly from the battery. Once the jumper cables are connected, NEVER allow the cables to touch together or be left on the same metal surface, this will result in short circuit and may start a fire.

**WARNING:** NEVER ATTEMPT TO START THE VEHICLE WITH THE POWER TANK CONNECTED.

## SPECIFICATIONS

Internal Batteries:

Operation Temp.:

Model: #18774 – DC 12V Output

DC 3,6,9V Output

Weight:

Dimension:

One Pcs. 12V/7Ah Rechargeable Sealed Lead-Acid Battery.

32°F to 86°F / 0°C to 30°C

D.C. 12V/10A protect with CIRCUIT BREAKER. Negative Ground. ⊕ → ⊖

D.C. 3,6,9V. Fuse 2 Amp. Negative Ground. ⊕ → ⊖

8.4 lbs. / 3.8 kg. [Approx.]

288 H x 236 W x 132 D / 11.3" x 9.3" x 5.2" [Approx.]



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(Products or instructions may change without notice or obligation).

This product is designed and intended for use by those 14 years of age and older.