

Heavy-Duty Battery



HEAVY-DUTY BATTERY
USER GUIDE BWL-0450 (03/07)
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OPERATING INSTRUCTIONS

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Dear Valued Customer,

Thank you for choosing the Bowens Heavy-Duty battery for professional portable flash systems.

The Heavy-Duty Battery was designed by working closely with photographers to develop a battery that meets the standards demanded by today's professional. For details of all related products, please contact your local distributor, a list of which can be found at www.bowens.co.uk. In order to obtain the full benefit from your purchase, please take a few moments to familiarise yourself with this user manual.

Thank you.
Bowens International Ltd.

Safety Notes

DO NOT:

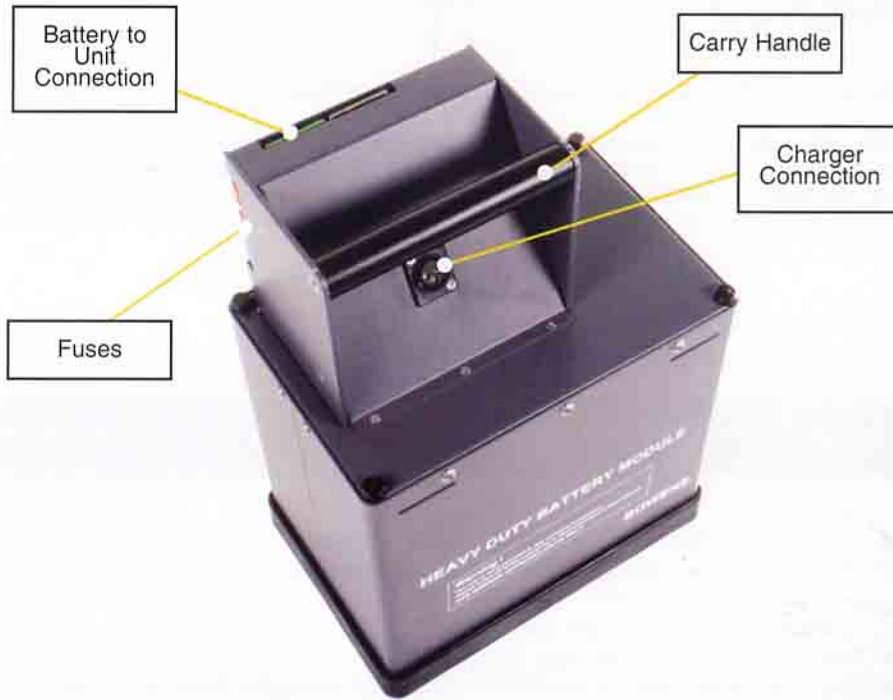
- Charge from anything other than a Bowens approved charger.
- Use the Heavy-Duty Battery in an environment where moisture or flammable vapour is likely to come in contact with the unit.
- Charge the Battery in a gas tight container.
- Place any metal on top of the Heavy-Duty Battery.
- Change any of the fuses for a different type or rating. The Heavy-Duty Battery is protected by two 40A automotive blade type fuses for the main supply and one 15A fuse for the charge. In the event that one or more fuses have blown it is likely that a genuine fault has occurred and any problems should be investigated.
- Use a damaged unit. If the unit is dropped or damaged in any way always have it checked out before using.
- Open the casing or modify the operation of any Bowens units.
- Fit a different type of Battery. Only use an authorised service centre to replace the battery or carry out servicing.

DO:

- Be careful when moving the Heavy-Duty Battery, it is heavy.
- Charge the Heavy-Duty Battery as soon as possible after use and keep it fully charged. The battery has no memory effect so it can be charged and discharged from any state. However, for best results and service life never fully discharge the battery and charge it as soon as possible.
- Switch the pack off before removing it from the Heavy-Duty Battery.
- Fit the plug blade protector after use.
- Only use the charger approved by Bowens for use with this equipment.
- Allow at least one hour for the Heavy-Duty Battery to stabilise at room temperature when moving it between extremes of temperature and humidity.

Battery Overview

Heavy-Duty Battery



Battery Accessories

Heavy-Duty Battery Charger

The Heavy-Duty battery charger is a fully automatic, intelligent charger which uses microprocessor and switch-mode technology to carefully assess the condition of the battery and deliver the optimum charge required. The charger also has an input voltage of 100 - 240V allowing it to be used almost anywhere in the world.



BW7641

Heavy-Duty Battery Telescopic Trolley

Designed to make moving the Heavy-Duty Battery easier, this accessory simply attaches onto the back of the unit with the use of a simple clamp to securely connect them together.

BW7649



Charging the Heavy-Duty Battery

- Before use it is advisable to fully charge the Heavy-Duty Battery.
- Always use the recommended 10A universal voltage charger (BW7641).
- First ensure the switch on the charger is off.
- Plug the charger output into the XLR type plug at the top of the Heavy-Duty Battery.
- Connect the charger to the mains supply using an adaptor if necessary.
- Switch the switch on the charger to 'on'. The charging LED indicates the charge status as follows:

LED OFF	No AC supply or in thermal shutdown.
BLINKING RED	Charge fault such as bad battery, disconnected wire, reverse battery, broken fuse in charger or Heavy-Duty Battery.
FAST BLINKING GREEN	Fast charge.
SLOW BLINKING GREEN	Slow charge.
STEADY GREEN	Float charge.

- Once the Steady Green shows it is advisable to continue charging for another hour to achieve full capacity.
- Switch the charge off and remove the charge connector.
- The Heavy-Duty Battery is now ready for use.

Fitting the Battery to a Portable Generator

- Place the Heavy-Duty Battery in the required position first. Do not try and move it once the portable generator is in fitted.
- Remove the plastic blade protector and retain it for refitting after use.
- Remove the portable generators bottom rubber bumper and retain.
- Place the portable generator over the top plug-blade housing so that the generator and Heavy-Duty Battery cases are aligned and push down so that the two fully mate together.

Removing the Battery from a Portable Generator

Heavy-Duty Battery

- First ensure that the portable generator is switched off.
- Pull up on the portable generators handle and the unit should come apart from the Heavy-Duty Battery.
- If the Heavy-Duty Battery is not going to be used for some time or it is transported then refit the plastic blade protector.
- Refit the portable generators rubber bumper if required.

Recommended Maintenance

The Heavy-Duty Battery needs very little routine maintenance but for longest service life the following should be noted:

- Keep the Heavy-Duty Battery clean and dry. Do not use any organic solvents or detergents. Wipe it with a clean dry cloth.
- Only use a Bowens recommended charger.
- Charge or swap the Heavy-Duty Battery before it is fully discharged.
- Never store the Heavy-Duty Battery in a partial or fully discharged condition.
- The Heavy-Duty Battery has no so-called memory effect but recharge it as soon as possible after use and keep it fully charged for longest life.
- Fully charge every 6-9 weeks to maintain battery condition.
- The Heavy-Duty Battery can be left on charge indefinitely.

Safety Information

The Heavy-Duty Battery contains a Sealed Lead Acid Battery containing hazardous chemicals and it is therefore subject to special waste disposal and/or recycling depending on your local legislation. The battery is recyclable.

In the USA only, you may call 1-800-SAV-LEAD (1-800-728-5323) for complete recycling information.

The best way of disposal is to return the Heavy-Duty Battery to your authorised dealer or service centre where the sealed lead acid battery will be responsibly disposed of or recycled.

- Do flush the skin with water at once if contact is made with electrolyte (acid).
- Do not replace the fuses with any other type or rating.
- Do not open the Heavy-Duty Battery or try to modify it for any reason. There are no user-serviceable parts inside.
- Do not charge in a gas tight container.
- Do not short out or bridge the Cassette connections.
- Do not drop or subject to heavy knocks.
- Do not dispose of the battery in normal household waste.
- Do not dispose of the battery in a fire.

Specification

Heavy-Duty Battery	BW7643
Heavy-Duty Battery Charger	BW7641
Heavy-Duty Battery Trolley	BW7649
Battery Type	Maintenance free, non-spillable, Sealed lead acid battery
Number of Cells	6
Number of Available Shots	1000 shots @ 1500Ws
Nominal Battery Voltage	12V
Nominal Battery Capacity	55AH
Maximum Charge Current	14A
Charger	Only use the Bowens recommended managed, 3-level, charger: Bulk Charge 10A, Slow Charge 10A down to 1.5A and Float Charge 0.75A
Typical Battery Charge Times	Approximately 4 - 6 hours
Size	180mm x 270mm x 372mm (L x W x H)
Weight	22Kg
User Replaceable Fuses	Automobile Type (ATO Fast Acting) - 2 x 40A, 1 x 15A for charge

Due to our policy of constant product improvement, Bowens International reserves the right to change equipment specifications at any time and without notice.