

NEW Digital BATTERY CHARGERS



75%

Of all battery failures are caused by lack of regular maintenance!

	LB-800	LB-4.0	LB-7.0
Charges Batteries From	1.2-20Ah	1.2-120Ah	14-230Ah
Fully Automatic Control	✓	✓	✓
Multi-Stage Charging	✓	✓	✓
Maintenance Charge	✓	✓	✓
Charges 6V Lead Acid Batteries	✓		
Charges 12V Lead Acid Batteries	✓	✓	✓
Charges 12V Calcium-Calcium Batteries			✓
Reverse Polarity Protection	✓	✓	✓
Overcharging Protection	✓	✓	✓
Short Circuit Protection	✓	✓	✓
Spark Proof	✓	✓	✓
One Touch Control		✓	✓
Charging Indication	✓	✓	✓
Rated IP65—For Outdoor Use		✓	✓
Permanent Connection	✓	✓	✓
12V Power Supply Facility			✓
16V Boost Charge			✓

Most early battery failures can be avoided with the use of a microprocessor controlled LIBERTY PROFESSIONAL smart charger.

All LIBERTY PROFESSIONAL chargers feature multi-stage and maintenance free charging—proven technology to help care for and extend the life of your battery.

Whatever type of battery and application, there is an easy to use LIBERTY PROFESSIONAL charger to suit everyone.



Frequently Asked Questions

Q What is a LIBERTY PROFESSIONAL MCU battery charger?

These are technically advanced multi-stage chargers that digitally monitor & control the various stages of the charging process. They firstly analyse & diagnose the battery's condition, then apply the necessary charge rate & voltage. Once fully charged they will switch to a maintenance mode that monitors and maintains its condition whilst connected.

Q What does MCU stand for?

MCU stands for Microprocessor Controlled Unit. The charger uses the same type of processor technology found in most home or business computers. Because of this they are commonly referred to as 'smart' chargers.

Q What's different about LIBERTY PROFESSIONAL MCU chargers compared to standard chargers?

Unlike conventional chargers, the LIBERTY PROFESSIONAL multi-stage chargers automatically control the entire charging and maintenance process. Used regularly they are effective in extending the operational life of most batteries. They can be connected for long periods of time without causing damage. They are highly successful in recovering & reconditioning sulphated batteries, a feat not possible with conventional chargers.

Q Will my battery last longer by using a LIBERTY PROFESSIONAL charger?

Seasonal or irregular battery use causes discharge/power loss and sulphation. Sulphation is the major cause of premature battery failure. Using a LIBERTY PROFESSIONAL charger to charge and maintain a battery will reduce the likelihood of this sulphation occurring. They are ideal for owners of jet skis, boats, caravans, motor homes, ride-on mowers, collectable cars and other vehicles that aren't used on a regular basis.

Q Can they be operated outdoors?

Yes! The LB 4.0 and LB 7.0 are both IP65, sealed against dust and protected against low pressure water jets from any direction.

Q When should I recharge a deep cycle battery?

As soon as practical after use.

Q How long can I leave the charger connected to the battery?

The charger constantly monitors the condition of the battery and maintains it in optimum condition. You can leave the battery connected for extended periods, knowing it will be fully charged and ready to go when needed.

Q Can I overcharge or damage a battery by using a LIBERTY PROFESSIONAL MCU charger?

No! Using a LIBERTY PROFESSIONAL charger regularly or continually extends battery life. Spark free connection & reverse polarity protection makes them safe to use. Older transformer chargers left connected for long periods of time can cause electrolyte 'gassing' which can expose the plates, seriously damaging the battery.

Q Can I use the charger as a power supply?

With the LB 7.0 you can! This model has an inbuilt 5 amp power supply for operating 12V accessories. This provides enough power to operate most 12V devices.

Q Can they be permanently connected?

LIBERTY PROFESSIONAL chargers can be permanently connected which makes them ideal for motorcycles, golf trolley, marine & caravan applications.

Q Do I have to remove the battery from the vehicle before charging?

No! Unlike conventional chargers, LIBERTY PROFESSIONAL chargers can operate even when the battery is still connected to the vehicle and will not interfere with the vehicle's electronic system.

Q What is special about Calcium-Calcium batteries?

These batteries require a higher voltage to fully recharge and generally don't require topping up with fluids. They don't like high under-bonnet temperatures but importantly in deep cycle applications they don't discharge as quickly when not in use. Check with your battery manufacturer/distributor for special requirements on different Calcium-Calcium batteries and their recommended charging.

ADVANCED FEATURES

- ⇒ Automatic charging control, Fit and Forget
- ⇒ Charge lead acid, GEL & AGM batteries including the latest advanced Start/Stop types
- ⇒ Reverse polarity protection
- ⇒ Multi-stage & maintenance charging, extending lifespan
- ⇒ Overcharge protection

