

LSBC-102 (V)1 Battery Charger

Discharge/charge in one easy step



Charges and discharges simultaneously

Reduces cycle time and cost

Both domestic and international power range, as well as AC or DC input power option

Ability to charge two batteries simultaneously

Works with a variety of industrial re-chargeable batteries

Overview

The General Dynamics LSBC-102 (V)1 Battery Charger drastically reduces cycle time and cost by simultaneously charging/discharging the sealed lead acid, NiCad, and nickel metal hydride batteries shown on Table 1.*

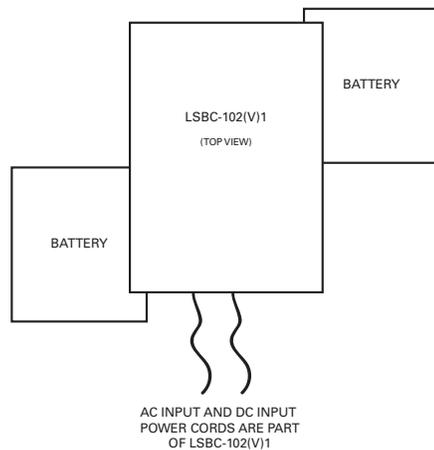
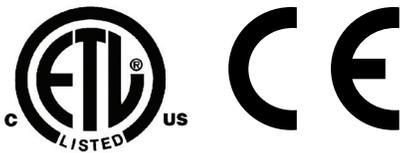
“Smart Charging Technology” in our design eliminates the need to deep discharge NiCad batteries before recharging. Two separate charge/discharge modules have been incorporated in the LSBC-102(V)1, therefore, any two of the listed batteries can be charged/ discharged concurrently.*

The LSBC-102(V)1 Battery Charger can be connected simultaneously to both an AC and DC input power source without risk of damage to the unit.

LSBC-102 (V)1 Battery Charger

Benefits/Features

- **Easy to use**
 - LED status indicators
 - AC and DC input
- **Built to last**
 - Automatically detects BB-390/U or BB-590/U batteries
 - Monitors internal temperature
 - Timer prevents overcharging
 - Automatically detects full-charge
 - Automatic start-of-charge
- **Universal use**
 - Meets FCC Part 15, Class A
 - Meets European EMI, RFI and Safety Requirements
 - NRTL tested; Conforms to UL 1012; Certified to CAN/CSA C22.2 NO. 107



**Unit does not discharge sealed lead acid batteries.
This saves time and increases the life of the battery.*

Specifications Operating Conditions

Temperature	5°C to 38°C
Altitude	0 to 20,000 feet
Humidity	0 to 95%

Input Power

11 to 36 VDC Auto-Range
95 to 260 VAC, 47 to 440 Hz Auto-Range

Storage Conditions

Temperature	-30°C to 85°C
Altitude	0 to 40,000 feet
Humidity	0 to 95%

Physical Description

Size	4.5" x 3.5" x 6.5"
Weight	4.25 lbs

Typical Charge/Discharge Cycle

Battery Type	Discharge	Charge
BB-390/U	6.5 hrs.	5.0 hrs.
BB-490/U	N/A	2.5 hrs.
BB-590/U	4.5 hrs.	3.0 hrs.
BB-690/U	N/A	2.5 hrs.

Table 1

Switch Position	Nomenclature	Type	Manufacturer
BB-490	BB-490/U	Sealed Lead Acid 12/24 VDC	Various
	MAI-490/U	Sealed Lead Acid 12/24 VDC	Mathews and Associates
	MRC-490/U	Sealed Lead Acid 12/24 VDC	McDowell Research
	PPS-490/U	Sealed Lead Acid 12/24 VDC	Portable Power Systems
	MPS-490/U	Sealed Lead Acid 12/24 VDC	Magnum Power Systems
BB-390/ BB-590	BB-390U	Nickel Metal Hydride 12/24 VDC	Brentronics
	MAI0390	Nickel Metal Hydride	Mathews and Associates
	BB-590/U	NiCad 12/24 VDC	Various
BB-690	MAI-590/U	NiCad 12/24 VDC	Mathews and Associates
	BB-690/U	Sealed Lead Acid 12/28 VDC	Various
	MAI-690/U	Sealed Lead Acid 12/18 VDC	Mathews and Associates
	MRC-690/U	Sealed Lead Acid 12/28 VDC	McDowell Research
	PPS-690/U	Sealed Lead Acid 12/28 VDC	Portable Power Systems

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