

# LSBC-102(V)1 Battery Charger

*Discharge/charge in one easy step.*



If reducing cycle time and cost are important to you, the General Dynamics LSBC-102 (V)1 Battery Charger is just what you're looking for. This rugged, dependable Battery Charger simultaneously charges/discharges the sealed lead acid, NiCad and nickel metal hydride batteries you'll find on Table 1.\*

"Smart Charging Technology" in our design eliminates the need to deep discharge NiCad batteries before recharging. And because two separate charge/discharge modules have been incorporated in the LSBC-102(V)1, 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.

That's particularly good news for you! Should your AC power source fail, our dependable Charger will automatically revert to the DC input source without interrupting the operation of the Charger. As soon as AC input is once again available, the Charger will automatically revert back to the AC input source again without interrupting the normal operation of the Charger.

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

# LSBC-102(V)1 Battery Charger

## Benefits/Features

Why you should buy the  
LSBC-102(V)1 Battery Charger:

### Easy to Use

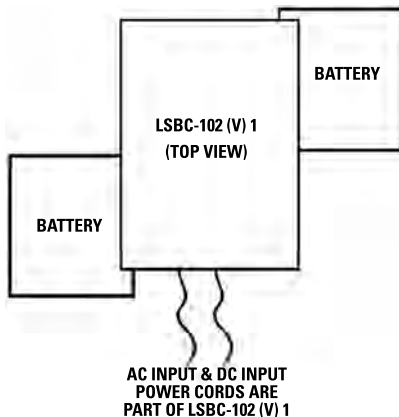
- LED status indicators
- AC and DC input

### 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



## Technical Specifications

### 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 & 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 & Associates
	BB-590/U	NiCad 12/24 VDC	Various
	MAI-590/U	NiCad 12/24 VDC	Mathews & Associates
BB-690	BB-690/U	Sealed Lead Acid 12/28 VDC	Various
	MAI-690/U	Sealed Lead Acid 12/18 VDC	Mathews & 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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