



Automatic Battery Backup Charger for Non-Spring Return Actuators (for use with Lead-Acid Batteries)

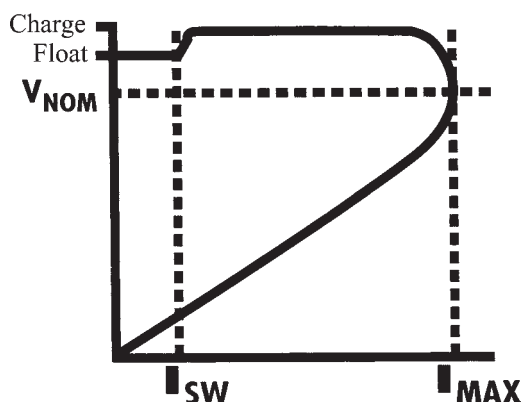
General Operation: This unit is a two stage, constant voltage battery charger with current limiting, current fold back, and automatic temperature compensation of the output voltage. It is protected against shorting the output terminals and reversing the output terminals on a battery. It is equipped with an IEC-320 type power input module with fuse holder and a spare fuse. There is an input voltage selection switch located above the input module to select between 115 VAC and 230 VAC. The unit has a full metal enclosure to ensure field reliability.

This unit is designed to switch automatically into a single stage, float charge mode when the battery is charged. A single stage, parallel charger version is available for keeping a battery fully charged when used with a permanent or intermittent parallel load. The use of an optional low voltage cut out is recommended when using parallel loads. This unit is not designed to operate as a standalone power supply.

Indicators: There is one indicator light on the front panel. It lights green to indicate when power is applied and, when a battery is attached, that the charger is in float mode. It lights yellow when the unit is charging on the battery. It lights red to indicate a fault condition (shorted or reversed output connector).

Technical Data (at 77°F/25°C)	Part No. BB24D-1.0
	24 V
Power requirements	115/230 VAC, 50/60 Hz, 0.52 A RMS
Input fuse type	5 x 20 mm fast acting, miniature glass fuse, UL & CSA approved
Charge amps	1 A \pm 2% @ 24 V
Charge voltage	29.40 \pm 0.60 VDC
Float voltage	27.36 \pm 0.24 VDC
Switch amps (ISW)*	Approx. 67 mA
Operating temperature	32°F to 93°F (0°C to 34°C)
Storage temperature	-40°F to 176°F (-40°C to 80°C)
Output cable and connects	3 ft long with insulated boots and spring clips
Power cable	6 ft long, detachable with a NEMA 5-15P plug
Dimensions	W 5.55" x H 2.90" x D 3.60"
Shipping weight	3.8 lbs

Charge Curve (dual stage)



Note:

* Dependent upon battery manufacturer.