

Operating Instructions

One S&C Battery Charger can charge up to eight Gates Monoblock batteries. The BC-8-24 charges 24-Vdc batteries and the BC-8-36 charges 36-Vdc batteries. Batteries are charged at the appropriate temperature-compensated rate and can be left connected to the charger indefinitely to maintain a full charge. See Figure 1.

NOTICE

No charging voltage is supplied to a battery connector until a battery is plugged into that connector. Other connectors will have no voltage until a battery is connected to them.

The battery must have a minimum chargeable voltage stated below before charging voltage will be supplied by the battery charger.

Charging Instructions

1. Plug the ac power cord into a 120 Vac power source.
2. Connect the red and black battery lead to a corresponding lead from the battery charger. Eight batteries can be connected to one charger.
3. When a battery with at least the minimum chargeable voltage is connected, the red LED next to the corresponding AMP connector (J4 through J11) blinks.
4. A battery at minimum chargeable voltage will take approximately three days to fully charge.
5. Batteries may be continuously connected to the charger and will maintain full-charge.

Minimum Chargeable Voltage

- A 24-Volt battery must have an output voltage of at least 21.0 Vdc to be recharged by the BC-8-24.
- A 36-Volt battery must have an output voltage of at least 32.0 Vdc to be recharged by the BC-8-36.

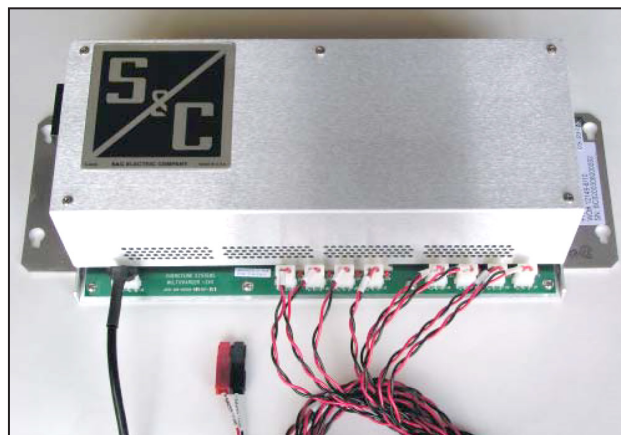


Figure 1. S&C BC-8-24 or BC-8-36 Battery Charger.

Battery Maintenance

For more information on battery care and maintenance, including Safety Information and Safety Precautions, see Instruction Sheet 1045-540, "S&C 6800 Series Automatic Switch Controls with IntelliTeam® SG Automatic Restoration System: Operation."

Specifications

Size:	17 in. (431.8 mm) × 6 in. (152.4 mm) × 4 in. (101.6 mm)
Weight:	8 pounds (3.6 kg)
Nominal operating voltage:	120 Vac
Operation voltage range:	100-140 Vac



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