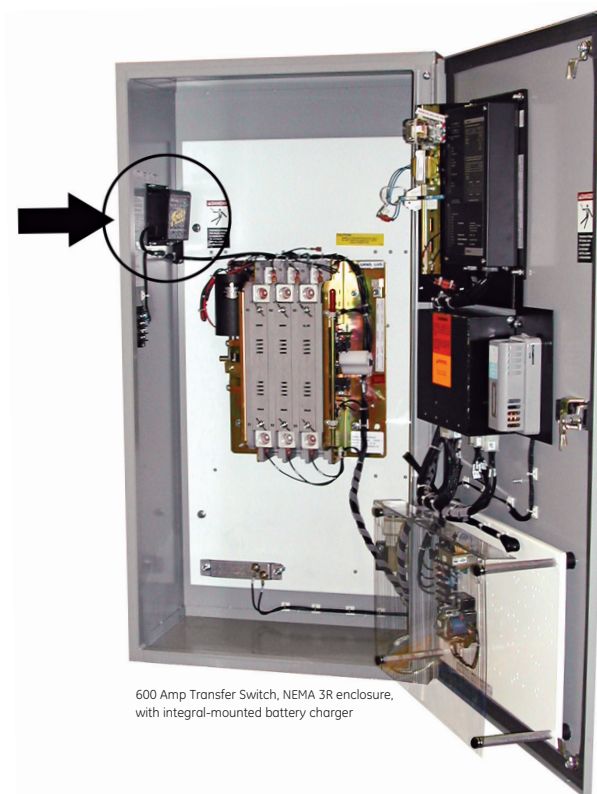


Integrated
**Generator Set
Starting Battery
Chargers**

For ZTG & ZTS Series
Automatic Transfer Switches



600 Amp Transfer Switch, NEMA 3R enclosure,
with integral-mounted battery charger

Introduction

GE Zenith's battery chargers have been selected and factory-tested for reliability and long life when integrated with GE Zenith Automatic Transfer Switches (ATS). Mounting the generator set starting battery charger inside the ATS enclosure saves generator room wall space, reduces field interconnect wiring, reduces total system installed costs, and provides the highest reliability emergency power connection to the charger.

The battery chargers are factory wired to the load-side of the ATS to ensure supply power to the charger during a utility power outage. All necessary fuses, control power transformers, and alarm circuitry is factory-wired and tested to ensure the highest system reliability and performance.

Output voltage and ampere options are available for cost-effective matching of charger capabilities and generator set starting battery requirements. Optional local alarm annunciation and status signals are available on all models to meet local codes and/or project specification requirements.

Features and Benefits:

- > Available for NEMA 1 and NEMA 3R enclosed ZTG & ZTS Series Automatic Transfer Switches
- > Meets or exceeds the requirements of UL 1236 and CSA 22.2
- > Charger receives 100-132VAC, 60 Hz supply power from load side of ATS. "HV" Option provides factory-mounted Potential Transformer and fusing for 480/277VAC transfer switch
- > Accommodates both flooded and sealed AGM/GRT lead acid batteries
- > Convection cooled, utilizing true three-state charging cycle - recommended as the most efficient by all lead acid battery manufacturers
 - Stage 1: Initialization/Bulk: Increasing Voltage, Constant Current to bring battery from discharged state to ~80% charge
 - Stage 2: Absorption: Constant Voltage, Decreasing Current for final 20% of battery charging
 - Stage 3: Float: Maintains full charge without overcharging the battery
- > Reverse polarity and short circuit protection
- > Eliminates need for external power supply



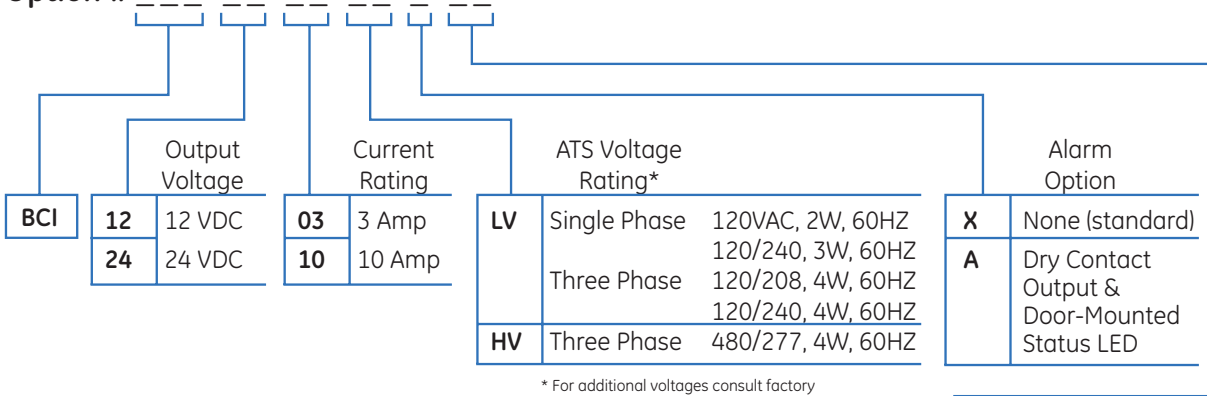
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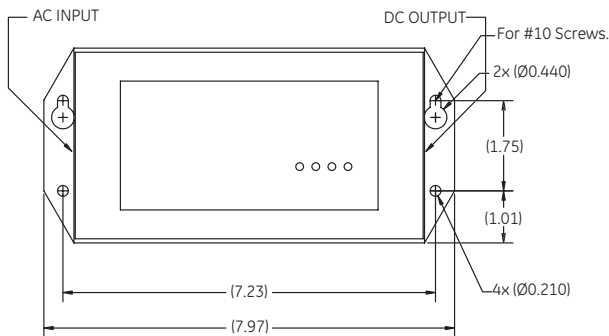
Technical Specifications

Operating Frequency	60 Hz	Weight	3A: 4 lbs (1.8 kg)
Operating Temperature	14°F to 122°F (-10°C to +50°C)		10A/12VDC: 8 lbs (3.6 kg)
Operating Humidity	0% to 95% Non-Condensing		10A/24VDC: 13 lbs (5.9 kg)
Control Voltage	External supply not necessary. Control power derived from ATS load side voltage terminals.		

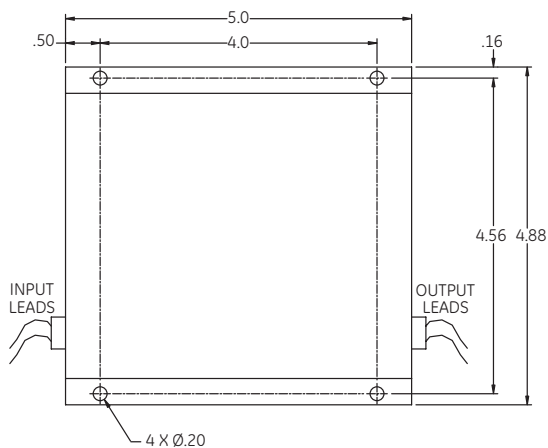
Option



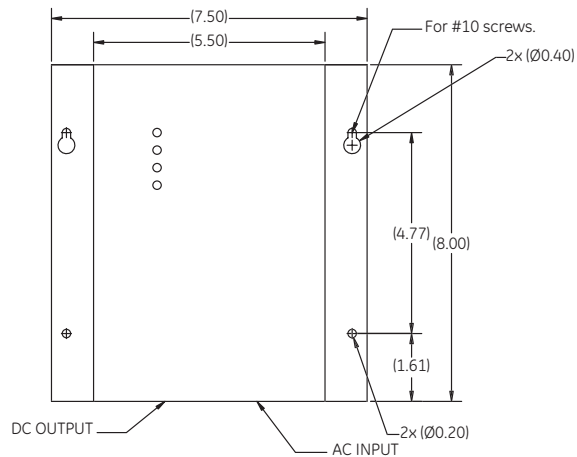
Enclosure Option	
XX	None (standard)
S1	Select "S1" for ZT(G)(S) 40-200 Amp (Requires Special 36" x 24" x 14" Enclosure)
S2	Select "S2" for ZTG 225 Amp (Requires Special 46" x 24" x 14" Enclosure)



12VDC, 10 Amp Charger



12/24VDC, 3 Amp Charger



24VDC, 10 Amp Charger



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