

# BATTERY-MATE 60, 80 AND 100

FERRORESONANT BATTERY CHARGERS

SINGLE PHASE

THREE PHASE

The Battery-Mate chargers are engineered for a variety of industrial environments. The power conversion circuitry maximizes battery life by using a constantly tapering output, which is automatically regulated by the "On Charge" battery voltage. The charge current of the Battery-Mate is determined by the state of discharge of the battery.

The battery is precisely charged, based on its depth of discharge. The Battery-Mate 100 offers the most flexibility with the ability to provide for multiple shift operations and rated to recharge a 100% discharged battery in 8 hours or less. The Battery-Mate 80 is intended for two shift operations and charges 80% discharged batteries in 8 hours or less. The Battery-Mate 60 is designed for light duty applications and will charge 80% discharged batteries in 10 hours or less.

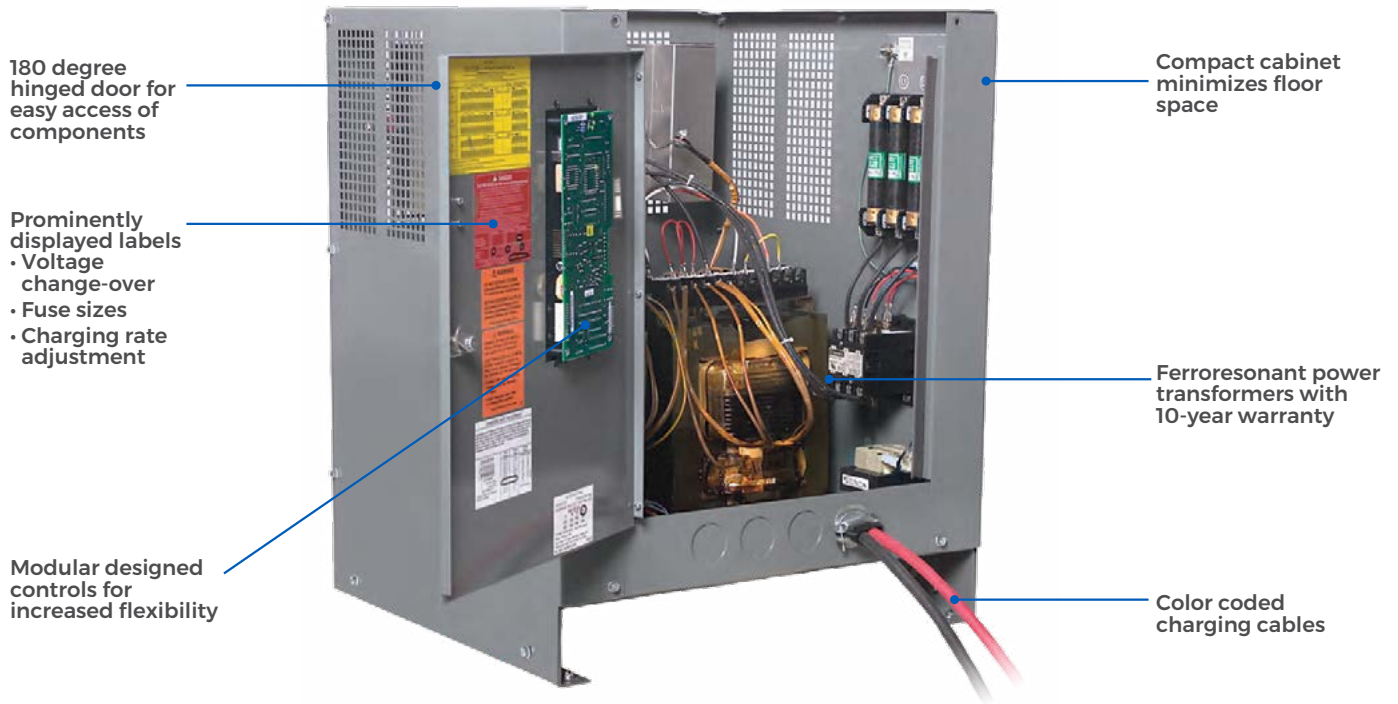
- A choice of 2 interchangeable controls for added flexibility
- Quality-built for little to no maintenance and years of dependable service
- 10-year full warranty (Battery-Mate 100)
- 1-year full warranty and 10-year warranty on transformers and diodes (Battery-Mate 60 and 80)
- Fail-safe design protects batteries
- UL and cUL listed



**AMETEK**<sup>®</sup>

**PRESTOLITE POWER**

**CHARGING THE MOTIVE POWER  
INDUSTRY FOR OVER 100 YEARS**



180 degree hinged door for easy access of components

Prominently displayed labels  
 • Voltage change-over  
 • Fuse sizes  
 • Charging rate adjustment

Modular designed controls for increased flexibility

Compact cabinet minimizes floor space

Ferroresonant power transformers with 10-year warranty

Color coded charging cables

### Maximum Performance

- Available in a variety of single and three phase models, providing multiple AC input voltages as standard.
- The Battery-Mate chargers cater to a variety of operations and each offer a unique recharge time so that you can select the charger that is best for your application.
  - Battery-Mate 100: Multiple shift operations, 8 hours or less to recharge 100% discharged battery
  - Battery-Mate 80: Two shift operations, 8 hours or less to recharge 80% discharged battery
  - Battery-Mate 60: Light duty operations, 10 hours or less to recharge 80% discharged battery
- Designed to allow controls to be interchanged in minutes for greater control, flexibility and automation of any battery charging operation. Depending on your charging requirements, it can be controlled by either the AC1000 or AC2000 controller.
- In rare instances where changes to the DC output might be required, necessary adjustments are made simple with conveniently located quick-connect jumpers. AC input voltage change-overs take just minutes because of conveniently located taps and quick-connect jumpers.
- Internally protected against overload, short circuit, incorrect battery connection and voltage transients. Shorting of the DC output will not damage the charger or cause fuses to blow. In the event of a component failure, the charging rate will automatically go to "minimum," protecting the battery from damage.

### Benefits

- UL and cUL listed and meets BCI requirements.
- Minimize repair costs with our 10-year original purchaser full warranty for the Battery-Mate 100.
- Keep repair costs at a minimum on the Battery-Mate 60 and 80 with a 10-year original purchaser warranty on transformers and diodes and a 1-year warranty on other components.
- Designed without fans to help eliminate dirt and debris getting in the charger and decreases audible noise for quieter operation.
- Inherently efficient due to its ferroresonant circuitry, the most utilized method of charging lead acid batteries.
- The cabinet is constructed with heavy-gauge sheet metal and finished with a durable, long-lasting powdered polyester baked finish. All case styles can be wall, bench or floor mounted and all cases are stackable to save floor space. The cabinet is designed to provide direct access to the AC power connection points and conveniently facilitates any required service.

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