



# APPLIED ENERGY SOLUTIONS

*The Power of Excellence*

## *Maverick™* *High Frequency Opportunity Charger*

- More energy efficient than conventional chargers using less energy per charge
- Full load Power Factor .95
- Reduced battery recharge temperature due to low ripple current



# Energy Saving

# Maverick™

## High Frequency Opportunity Charger

The Maverick High Frequency-Insulated Gate Bipolar Transistor (HF-IGBT) Charger returns more energy at a lower cost than conventional chargers. It has a very high power factor and is the most efficient charger available, resulting in the lowest operating cost. Additionally, its design allows for lower battery heating due to a very low ripple current. These features combined with a full two-year warranty make the Maverick line of High Frequency chargers the absolute best value in the market.



### Features & Benefits

- No battery modifications are required.
- Includes the TCC 2.0 controller.
  - Delayed start from 15 minutes to 4 hours in 15 minute intervals
  - Equalize can be done manually, automatically with day/time setting, or every 5 cycles
  - Automatic refresh charge every 24 hours
  - Programmable charge block out time (peak demand electrical cost control)
  - Programmable charge termination when battery voltage reaches the gassing point, to prevent excessive gassing.
  - Remote Control Interface for use when mounted above operator's reach
  - Auto start with five second delay
- Automatic shutdown for the following:
  - 80% or final charge exceeds time limit
  - Volts per cell outside safe limits
  - Charging current too high or too low
  - Maximum battery temperature exceeded
- Digital readout displays
  - Time remaining to 80% & Full Charge
  - Charge current/voltage
  - Equalize in process
  - Fault codes
  - Charge data 25 cycles (time, AH returned, and voltage)
  - Charger setup
- LED charge status indicators
  - Gas Gauge
  - Charging
  - 80% Charged
  - Charge Complete
  - Equalize
  - Fault Shutdown
- Cool down time displayed
- Manual jump start for over-discharged batteries

### Product Safety

- UL Listed (Pending)
- UL Listed to Canadian Safety Standards (Pending)
- AC Specifications
  - 480 VAC (240, 575, 600 VAC Pending)

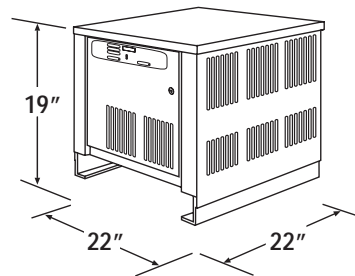
### Optional Features

- Battery electrolyte temperature sensor
- Wall Mount & Stacking Brackets
- Remote Control Box
- Custom Output Cable Lengths up to 20' maximum.
- Weight: (Approx. 70 to 120 lbs., depending on model size)

### Warranty

See Warranty Certificate.

**CAUTION: DISCONNECTING THE BATTERY FROM THE CHARGER DURING THE CHARGE CYCLE WITHOUT MANUALLY STOPPING THE CHARGER CAN CAUSE DAMAGE TO BOTH OPERATOR AND EQUIPMENT AND VOID THE WARRANTY**



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