FEATURES

- **100% rated to recharge properly matched batteries in 8 hours or less**

- **Ideally suited for demanding industrial applications such as lift truck and floor care**

- **Regulated tapering charge**

- **Automatic DV/DT-DI/DT charge termination**

- **Equalize capability**

- **Convenient AC voltage selection**

- **120 208 240 480 575 600 VAC models 50HZ and 60HZ 1 and 3 phase**

c UL us

INDUSTRIAL BATTERY CHARGER

APPLICATION

- The MAC QUANTUM II series is the ideal choice for the most demanding jobs.
- Designed for years of trouble free service.
- The Quantum II will recharge properly matched 100% discharged battery in 8 hours.
- Features 18 Amp/100 Amp/hour start rate.

RELIABILITY

- Proven ferroresonant technology that works in the most demanding environments.
- Conservative electrical design ensures years of trouble free operation.

CONTROL

- Digital 3500 Control monitors charge cycle from start to finish and terminates automatically.
- Control design maximizes battery life and your investment.

TECHNOLOGY

Ferroresonant technology that automatically adjusts output current in proportion to battery voltage. Your batteries receive the correct amount of charge for optimum performance and maximum battery life.

3500 Charge Control dv/dt

3500 AUTOMATIC CONTROL

- ⬤ CHARGING
- ⬤ FAULT
- ⬤ 80%
- = EQUALIZE
- ⬤ CHARGE COMPLETE
- ⬢ STOP

Features

dv/dt di/dt monitors the charge cycle from start to finish and terminates automatically when battery is completely charged.

Selectable delay start provides for battery cool down and allows for cost effective off-peak charging.

Digital display shows charging current, amp-hours returned, cool down time, delay start time, equalize select, equalize in process.
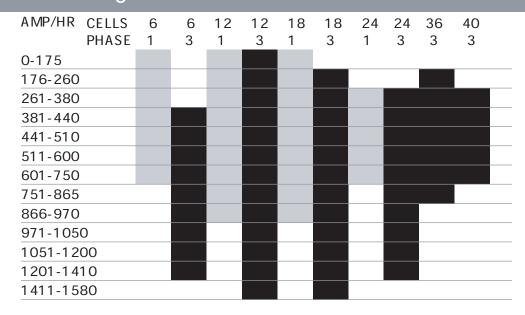
Fault Diagnostics automatic shut down and fault displayed for high or low volts per cell, low current, back-up timers activated and output cable disconnected while charging.

Automatic refresh keeps battery topped off after a charge cycle.

Adjustable 80% voltage point, low battery override, electronic back-up timers, battery/charger mismatch protection.

Model Range

AMP/HR CELLS PHASE	6 1	6 3	12 1	12 3	18 1	18 3	24 1	24 3	36 3	40 3
0-175	░		░	█	░					
176-260				█		█			█	
261-380				█		█	░	█	█	█
381-440	░	█		█		█	░	█	█	█
441-510	░	█		█		█	░	█	█	█
511-600	░	█		█		█	█	█	█	█
601-750	░	█		█		█	█	█	█	█
751-865		█		█		█	█	█	█	
866-970		█		█		█	█	█		
971-1050		█		█		█	█	█		
1051-1200		█		█		█		█		
1201-1410		█		█		█		█		
1411-1580				█		█				

Mechanical Configuration

CASE TYPE	A DIM	B DIM	C DIM	D DIM	E DIM	F DIM	G DIM
F CASE	14.156	22.563	14.234	12.625	12.000	5.125	13.000
G CASE	20.312	25.063	21.484	18.750	19.105	7.750	19.000
H CASE	27.156	25.062	24.236	25.625	21.790	9.625	20.000
J CASE	32.812	32.000	24.750	30.500	21.274	9.750	22.039