

QUANTUM

*The first name in
quality ferroresonant
industrial chargers.*

INDUSTRIAL
BATTERY
CHARGERS



LEFT: Quantum B Case Charger with 2200 Control Panel and Digital Ammeter
RIGHT: Quantum C Case Charger with 2300 Control Panel and Digital Meter

The MAC QUANTUM series of battery chargers was designed for years of trouble-free service. The QUANTUM will recharge any properly matched 100% discharged lead acid battery in 8 hours. The charge is initiated and controlled by one of two controls. The Auto Start/Stop DV/DT microprocessor control

starts automatically after connecting the charger to the battery. Eliminates potential operator error with no timers to set. Charger automatically stops after battery receives proper charge. Controls are available with status LED's or digital information depending on your customer requirements.

Equalize Mode- operator selected function extends normal charge time.
Fail-Safe Protection- internal electronic backup timer terminates charge cycle in the event abnormal conditions prevent abnormal charger shutdown.
AC Interrupt Protection- in the event of AC power interruption the charger automatically restarts upon the resumption of AC power.

Energy Savings- significant reductions in the time required to charge a battery are made possible by the microprocessor control. This is especially true with partially discharged batteries. Instead of running for a fixed period of time, the automatic control terminates the charge cycle when the batteries are full.

- 100% rated to recharge properly matched batteries in 8 hours or less.
- Low operating cost
- Regulated tapering charge.
- Automatic DV/DT charge termination.
- Equalize capabilities.
- Voltage adjust board.
- UL listed, CSA certified.

QUANTUM

555 Spirit of St. Louis Blvd.
St. Louis, Missouri 63005
(636) 532-3406
FAX (636) 532-4609

FEATURES:

Automatic Start/Stop Charge Cycle Control

- Microprocessor controlled DV/DT.
- Equalize mode.
- Status LED's on 2200 or digital with 2300 control.
- Simple operation.

Protection

- Current limiting transformer design.
- Low voltage control circuitry.
- Reverse polarity protection.
- Surge protectors guard diodes.

Extended Battery Life

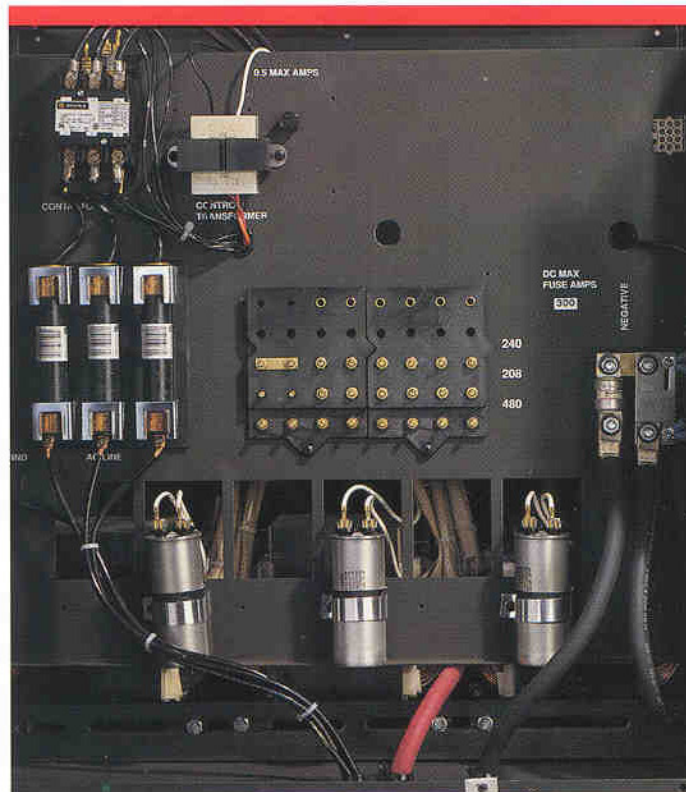
- Low temperature rise during charging.
- Controlled finish rate.
- Fully charged batteries deliver more power with minimum sulfation.

Transformers

- Ferroresonant design.
- Energy Efficient.
- Line Compensation maintains safe finish rate even when the line voltage fluctuates +/- 10%.
- Class H insulation.

Voltage Adjust Board

- Automatically makes all power and control transformer connections.



ORDERING INFORMATION

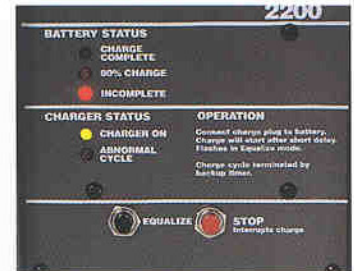
Specify complete model number.
(example: 6Q 450 C 2D)

1. Determine number of battery cells.
2. Q is a reference to the QUANTUM family of chargers.
3. Select AMP/HR for battery being charged.
4. Designate letter suffix

for desired case/phase/AC grouping.

5. Designate charge control & Ammeter (2200 only).
6. Options - Add X and appropriate letter from options sheet.
7. Specify AC input set voltage. (example: 240)
8. Specify DC charge connector. (example: SB175 Gray)

CONTROL OPTIONS



2200 Control Panel



2200 Control Panel with Digital Ammeter



MODEL DESIGNATION:

6Q 450 C 2D XW
↑ ↑ ↑ ↑ ↑
1 2 3 4 5 6

- 1 Battery Cells
- 2 QUANTUM
- 3 Amp Hr
- 4 Case/Phase
- 5 Control/Ammeter A or D 2200 only. (2300 Control would be shown as 23.)
- 6 Option

Distributed By: