

	Freezer	High Ambient Temp	Multiple Shift	Single Shift	Light Duty	Sealed Batteries	Opportunity Charging	Fast Charging	Nominal Start Currents
<b>Ferroresonant</b>									
Accu-Charger	Blue	Blue	Green	Red	Blue				20 amps/100AH
Battery Mate 100	Blue	Blue	Green	Red	Blue				20 amps/100AH
Battery Mate 80		Blue	Blue	Green	Red				17 amps/100AH
Battery Mate 60				Green	Green				13.3 amps/100AH
LTD					Green				10 amps/100AH
<b>SCR</b>									
Ultra Charge	Green	Green	Green	Blue	Blue	Green			16.3 amps/100AH
Ultra Maxx	Red		Green	Blue			Green	Red	16.3 - 40 amps/100AH
Power Star Plus	Red		Green	Blue			Green	Red	16.3 - 40 amps/100AH
Power Star 100	Red	Red	Red		Red				16.3 amps/100AH
Power Star 80		Blue	Blue	Green	Red	Red			14.3 amps/100AH
Power Star 60				Green	Green	Red			10.5 amps/100AH
<b>High Frequency</b>									
Eclipse II Extreme	Blue	Blue	Green			Blue	Green	Green	16.3 - 50 amps/100AH
Eclipse II	Blue	Blue	Green	Green		Green			16.3 amps/100AH
Eclipse II Plus	Blue	Blue	Green	Green		Green	Red		16.3 - 40 amps/100AH

BLUE IS GOOD

RED IS BETTER

GREEN IS BEST

All AMETEK chargers have a finish rate of 5A/100AH

### Freezer application

Batteries with low electrolyte temperature require a higher rate of charge. In extreme cold applications, charger over sizing may be recommended on Accu-Chargers and Battery-Mate 100 chargers. Contact the factory for specific adjustment recommendations.

### High ambient temperatures

Batteries with high electrolyte temperature require a lower rate of charge. In extreme high temperature applications, charger under sizing may be recommended on Ferroresonant chargers. Contact the factory for specific adjustment recommendations.

### Multiple shift

The charger selected for multiple shifts is dependent on recharge time requirements. The higher the output, the quicker the charge. The Ultra and Accu will recharge an 80% discharged battery in 6-7 hours, Battery-Mate 80 in 8+ hours.

### Single shift

With lower start rate chargers the only compromise is charge time. The battery will still receive a complete charge, it will just require more time to do it. The Battery-Mate 80 requires 8 hours to recharge an 80% discharged battery. Battery-Mate 60 requires 10 hours.

### Light duty

The recommended chargers for light duty applications still have the same proven quality. With a reduced start rate the pricing is less expensive. Charge time on the recommended units vary from 8 to 12 hours to recharge an 80% discharged battery.

### Sealed batteries

Sealed batteries require special charging profiles that generally have low finish voltages compared to Ferroresonant chargers. The Ultra will recharge an 80% discharged battery in 8+ hours.

### Opportunity charging & Fast charging

This type of charging requires a charging system capable of identifying the connected battery & monitoring battery temperature and adjusting it's output to avoid overheating the battery