

	Freezer	High Ambient Temp	Multiple Shift	Single Shift	Light Duty	Sealed Batteries	Opportunity Charging	Fast Charging	Nominal Start Currents
Ferroresonant									
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
SCR									
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
High Frequency									
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