PRESTOLITE POWER™

Application Guide

With today's technological advances of both batteries and chargers there is an increasing choice of chargers available. To assist you in matching the best charger to a battery and application we have constructed the following application guide.

Application Type	Charger Model	Start Rate	Finish Rate	Comments
Freezer Applications	**Ultra Charge**	16.3 amps/100AH (SCR)	4.5 amps/100AH	Batteries with low electrolyte temperature require a higher rate of charge. In extreme cold applications, charger over sizing may be recommended on Accu-Chargers. Contact the factory for specific adjustment recommendations.
	Power Star	16.3 amps/100AH (SCR)	4.5 amps/100AH	
	Accu-Charger & ST-100	20 amps/100AH	4.5 amps/100AH	
High Ambient Temperatures	**Ultra Charge**	16.3 amps/100AH (SCR)	4.5 amps/100AH	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.
	Power Star	16.3 amps/100AH (SCR)	4.5 amps/100AH	
	Accu-Charger & ST-100	20 amps/100AH	4.5 amps/100AH	
	Battery Mate	17 amps/100AH	4.5 amps/100AH	
Multiple Shift	**Ultra Charge**	16.3 amps/100AH (SCR)	4.5 amps/100AH	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 and Terminator in 8+ hours.
	Power Star	16.3 amps/100AH (SCR)	4.5 amps/100AH	
	Accu-Charger & ST-100	20 amps/100AH	4.5 amps/100AH	
	Battery Mate	17 amps/100AH	4.5 amps/100AH	
Single Shift	**Ultra Charge**	16.3 amps/100AH (SCR)	4.5 amps/100AH	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 and Terminator requires 8 hours to recharge an 80% discharged battery, E-Z Charge 10 hours.
	Power Star	16.3 amps/100AH (SCR)	4.5 amps/100AH	
	Accu-Charger & ST-100	20 amps/100AH	4.5 amps/100AH	
	Battery Mate	17 amps/100AH	4.5 amps/100AH	
	E-Z Charge	13.3 amps/100AH	4.5 amps/100AH	
Light Duty	**Ultra Charge**	16.3 amps/100AH (SCR)	4.5 amps/100AH	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.
	Power Star	16.3 amps/100AH (SCR)	4.5 amps/100AH	
	Accu-Charger & ST-100	20 amps/100AH	4.5 amps/100AH	
	Battery Mate	17 amps/100AH	4.5 amps/100AH	
	E-Z Charge	13.3 amps/100AH	4.5 amps/100AH	
	LTD	10 amps/100AH	4.5 amps/100AH	
Sealed Battery	**Ultra Charge**	16.3 amps/100AH (SCR)	4.5 amps/100AH	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, Terminator in 9+ hours.
	Power Star	16.3 amps/100AH (SCR)	4.5 amps/100AH	

Note: Recommended for best performance and price.