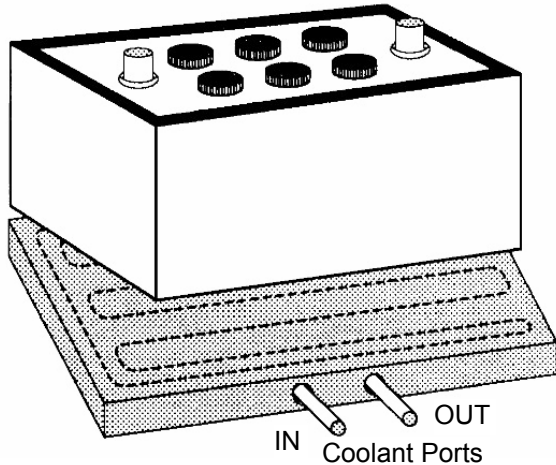




BH-3100 SERIES BATTERY HEATER

B-521—10/10



- Available for 4D, 8D and group 31 battery configurations.
- Custom sizes quoted upon request.
- Utilizes heat energy from engine cooling system or diesel fired coolant heater.
- Increases available cold cranking amps.
- Reduces required battery charge time.
- Extends battery life.
- Simplified installation for most applications.
- Durable stainless steel coolant tubes.
- Light weight aluminum heating plate.
- 1/2" NPT coolant connections.
- Optional thermostat available.

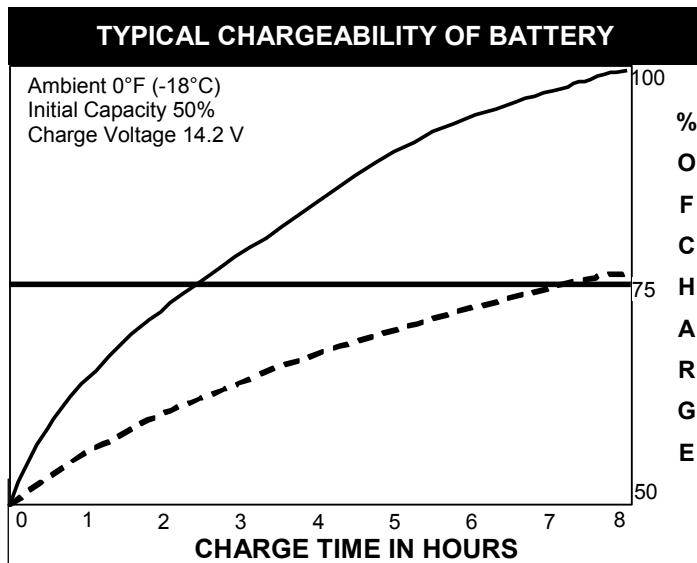


CHART A

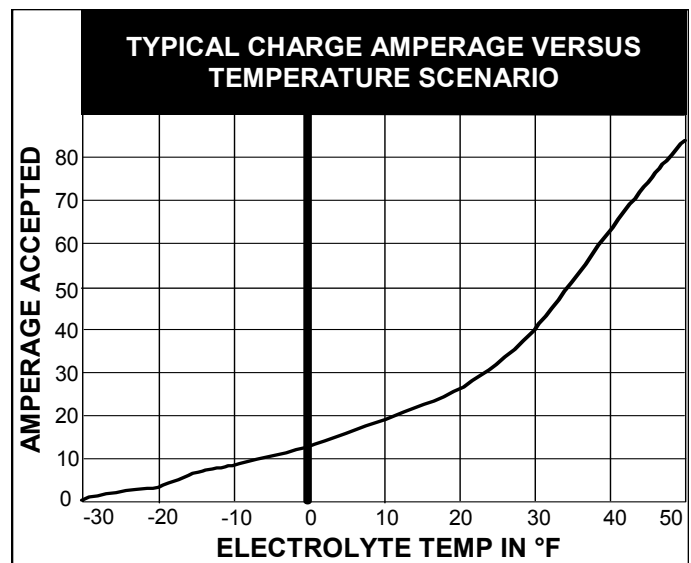
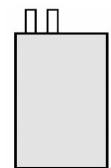
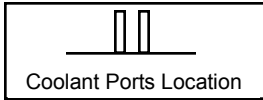


CHART B

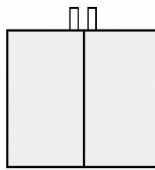
Allows fast improvement of battery state of charge, increase available cold cranking amps, and extend effective battery usage by warming with Arctic Fox battery heaters. Chart "A" depicts a typical scenario at 0°F (-18°C) where 75% to 80% of full charge is accomplished in approximately 2-1/4 hours with a battery warmer. Without a battery warmer it would require 8 hours to reach the same state of charge. As shown in chart "B" above batteries that accept 3 amps at -20°F (-29°C) can accept up to 40 amps when the electrolyte temperature is raised to 30°F (-1°C).

BH-3100 SERIES BATTERY HEATER MODELS

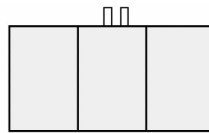
NOTE: All models require minimum 1" / 25.4mm clearance above the batteries.



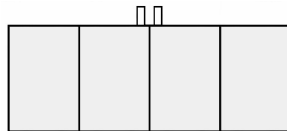
BH-3101



BH-3102



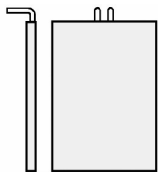
BH-3103



BH-3104



BH-3110



BH-3113



BH-3119



BH-3124

| DIMENSIONAL INFORMATION | | |
|---|------------------|-----------------|
| PART NUMBER | LENGTH INCHES/mm | WIDTH INCHES/mm |
| BH-3101 | 12-7/8 / 327 | 6-5/8 / 168 |
| BH-3102 | 13 / 330 | 13 / 330 |
| Note: BH-3102—Both batteries may be place parallel or perpendicular to the coolant ports. | | |
| BH-3103 | 21 / 533 | 14 / 356 |
| BH-3104 | 27 / 686 | 14 / 356 |
| Note: BH-3104—All 4 batteries may be place parallel or perpendicular to the coolant ports, or 2 either way. | | |
| BH-3110 | 21-1/2 / 546 | 11 / 279 |
| BH-3113 | 21-1/2 / 546 | 11 / 279 |
| BH-3119 | 21 / 526 | 8-1/2 / 216 |
| BH-3124 | 25-1/4 / 641 | 6-1/4 / 159 |

NOTE
IN SCHEMATIC BELOW, BATTERY WARMING IS DISCONTINUED WHEN CAB HEATER TEMPERATURE SWITCH IS OFF.

Typical battery heater coolant schematic for applications which utilize positive cab heater coolant flow shut-off valves as a means of temperature control.

