



Internal Cold-Weather Heating Kit

Heater Setup:

- Proprietary heating kit is installed internally to the Lithium Battery module.
- A solid-state thermostat device controls the heaters on at 35F and off at 40F.
- The heating kit requires 12V DC (24V option available) to power the heating element.

Separate cable leads are provided on the battery module for the heating kit to allow you to connect battery power or a supplemental 12V DC power source (e.g. 12V chassis/alternator power, AC-DC converter from shore power, DC-DC converter from higher battery voltage). Please contact Lithionics Battery® for recommendations on wiring and powering the heater kit.

Heater Performance:

- Max heater consumption is 80W.
- Typical duty cycle to maintain the lithium core between 35-40F is approximately 55W at subfreezing temperatures- which is much more efficient than an external heating element. Additional note: This assumes the battery is sitting unused and idle. Any additional charge or discharge loads will cause the battery to self-heat and the required duty cycle of the internal heaters would become less.

Available on the Following Models:

GTR Models	GT 12V Models	GT 24V Models	GT 48V & 51V Models
GTR12V150A-30H-Module	GT12V150A-G31EXT-Module	GT24V75A-G31EXT-Module	GT48/51V75A-GC2E-Module
GTR12V300A-5D-Module	GT12V300A-GC2E-Module	GT24V150A-GC2E-Module	GT48/51V150A-8DR-Module
GTR12V450A-F39-Module	GT12V450A-8DR-Module	GT24V300A-8DR-Module	GT48/51V150A-F24-Module
GTR12V600A-F39-Module	GT12V525A-8DR-Module	GT24V300A-F24-Module	
	GT12V600A-8DR-Module		
	GT12V600A-F24-Module		

(Not available on internal BMS models- only battery modules requiring an external BMS)

Note: Contact Lithionics Battery® for availability on other models or custom solutions.