

Block Heater / Battery charger Manager



The POWERteck system from Redtech activates the block heater or a battery charger when a power cord is hooked up to the vehicle's 15A block heater socket.

- **ELECTRICITY SAVINGS**
- **FULLY CHARGED BATTERIES**

POWERteck do what is needed at the moment. It recharges the batteries or activates the block heater by constantly monitoring outside temperature and battery voltage.



Benefits:

- Significant savings on electricity
- Extended battery life
- Starting the engine is much easier
- No timer needed for the block heater

Features:

- Uses a single 120-volt/15 amp outlet
- Diagnostic of the block heater
- Diagnostic of the charger
- No maintenance required

POWERteck is not a battery charger and it is not a block heater. It just takes control of the 15A block heater socket on the vehicle to send current to the block heater or the battery charger. It does it only if needed according to the outside temperature and the battery voltage. With POWERteck, you don't have to ask yourself whether you should plug your vehicle in or not. You just plug it in everytime you have 120-volts power available and you let the internal controller decides what to do.

When POWERteck detects power in the block heater socket of the vehicle, it automatically takes control of the 120 volts on the vehicle and uses it to activate the block heater if the temperature requires so, or to recharge the batteries if the voltage is too low. The charger and the block heater are never activated at the same time.

POWERteck works in 1-hour cycles. At the beginning of every hour, the built-in temperature sensor decides, based on outside temperature, how many minutes in the following hour the block heater should be activated to make sure the engine is warm enough for an easy start. When the amount of minutes is over, the system then looks up at the battery voltage and, if needed, activates the charger for the remaining of the 1-hour cycle. And the cycle starts all over again with the temperature sensor deciding how long to activate the block heater during the following hours. On a beautiful summer day with fully charged batteries, for example, the system will keep the 1-hour cycles going but will not activate the block heater nor the charger since no action is needed.

Furthermore, POWERteck will also diagnose the charger and the block heater and turn on a red warning light if one of them is defective.

Redtech Inc.

166 Sylvestre • St-Germain • QC • Canada • J0C 1K0
T: (819) 395-5122 • F: (819) 395-5430 • www.redtech.ca