

# POWERGUARD<sup>®</sup> SCR

The Intelligent Power Source



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The POWERGUARD® SCR charger series is HAWKER's new SCR (Silicon Controlled Rectifier) charger. POWERGUARD® SCR is offered in a three-phase configuration and is designed to charge a full range of both flooded and valve-regulated (VRLA) batteries.

### Complete, Controlled Charge

When you require the power and precision of a controlled output charger, POWERGUARD® SCR is the clear choice. POWERGUARD® SCR utilizes an I-E-I charge characteristic (constant current, constant voltage, constant current) to ensure an optimal charge in even the most challenging environments. The POWERGUARD® SCR charger will charge every battery to maximum capacity regardless of temperature, depth of discharge, battery age, or AC line voltage variations. It is your solution for these demanding applications:

- Batteries used in freezers
- Batteries with high-energy density
- VRLA (sealed) batteries

### Standard Features

POWERGUARD® SCR comes standard with the following features:

- o **Automatic Start / Stop** – Makes charging fast and simple. Just connect the battery and charger plugs, and the charging process begins after a short delay.



- o **Delayed Start Capability** – Lets you choose when charging begins. Save money by delaying charging to off-peak hours to reduce utility bills.
- o **LED Display** – Constantly displays the operating functions, which avoids guesswork and uncertainty.
- o **Auto Equalize** – Allows you to increase productivity and battery life while reducing the time needed to prepare a battery for charging. POWERGUARD® SCR automatically selects the equalize charge cycle.
- o **Stackable, Louvered Cabinets** – Designed for space efficiency, stackable up to three high. The louvers provide ventilation to keep the unit cool while protecting the circuitry from water damage.
- o **Automatic Restart** – Automatically resumes charging after power failure.
- o **100% Rated** – Returns 100% discharged battery to full charge in 8 hours or less.
- o **Front Panel Set-Up** – All charge parameters may be set from the front panel.
- o **Auto Refresh Charge** – Automatically programmed to refresh every 12 hours and may be programmed for special applications.
- o **Programmable Cool-Down Period** – Allows you to program the cool-down time before a battery is made available for use.

POWERGUARD® SCR is the intelligent choice for power. POWERGUARD® SCR increases the productivity of your batteries while working to maximize your profits.



## Available Options

POWERGUARD® SCR is also available with the following options:

- o May be set to charge VRLA (sealed) batteries
- o Wall Mounting Brackets
- o AC Disconnect Switch
- o Lifting Eyes
- o Parallel Charging Cables with Fuses
- o Manual Override
- o Series Charging Harness
- o Custom Rate Adjustment
- o Remote Charge Control

## HAWKER's Power Solutions

HAWKER is the source for power/charger solutions to keep your batteries performing at maximum capacity for the maximum number of cycles.

### **LIFEPLUS® TC3 – High-Frequency Power Source**

LIFEPLUS® TC3 chargers are the result of over two decades of high-frequency smart charging experience. The LIFEPLUS® TC3 features plug-and-play flexibility – adjusting automatically to the needs of a broad range of batteries – and its own IP address for data networking. LIFEPLUS® TC3 high-frequency switching technology offers the highest conversion efficiency and power factor, significantly reducing electrical consumption and demand charges.

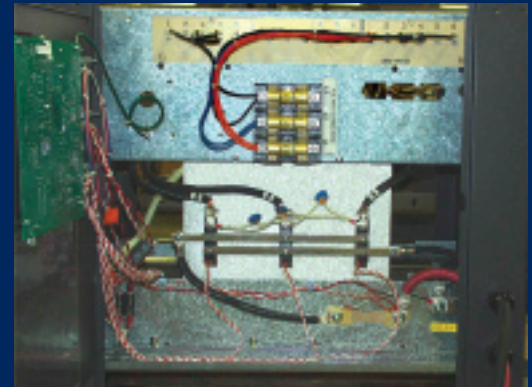
### **POWERTECH™ – High Frequency Intellicharger™**

POWERTECH™ offers all of the savings of the LIFEPLUS® charger but in a simpler single voltage configuration and in an industrial cabinet. POWERTECH™ can recharge batteries from 450 to 1200 AH without any adjustments.

### **POWERGUARD® HD – The Power To Choose**

The POWERGUARD® HD charger series consists of single-phase and three-phase chargers for every charging need. POWERGUARD® HD offers you the choice of two different controls, the PRO (standard) and the PREMIUM (high-end). POWERGUARD® HD allows you to control your fleet operation while at the same time control your operating costs.

For the right HAWKER power solution to meet your needs, please call **1-877-7HAWKER** for the HAWKER representative in your area.



**Above** – Interior view of POWERGUARD® SCR. Solid, clean construction means long life and easy service.

**Below** – Control panel is easy to read and operate.





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