



## BATTERY CHARGERS & ACCESSORIES

**COMMERCIAL \* INDUSTRIAL \* MILITARY \* MARINE**



### Chargek At A Glance

Chargek was incorporated in 1996 and is privately held. We design and manufacture both standard and custom battery chargers and battery monitors. Our engineering staff has a broad range of power supply and battery charger engineering experience allowing quick turn and cost effective customs from customer specification to production units. Manufacturing locations are in the United States (Chargek Inc.) and Taiwan (ATCT Co., Ltd.)

### DC/DC Product Line

To meet the demanding requirements of alternative and renewable energy, Chargek has developed a complete line of DC to DC lead based and lithium based battery chargers and power supplies. Standard units operate from 12V, 24V, 36V, and 48V inputs with charge current ranging from 2A to 40A. This product line is ideal for vehicle and mobile applications such as trailer trucks and telecom.

### AC/DC Product Line

Chargek offers 110VAC and 220VAC chargers and power supplies which are available in single, dual and triple isolated bank configurations. Single bank units are also available with universal input and .99 power factor. Our multi bank units provide excellent cell voltage balancing for battery stacks.

### Custom Units

Chargek's experienced engineering team can turn around custom designs quickly and our Taiwan facility can ramp up to production quantities in less than two months. Our software engineers are fluent in USB, 12C, P-mod, and Ethernet communications along with many others.

- UL/CSA Certified
- Extensive Standard Line
- Custom/Modified Solutions
- Single Bank & Multi Bank
- Environmentally Rugged
- Waterproof & Fan Cooled
- Extended Temperature Range
- Excellent Customer Service
- ISO 9001-2008 Certified



Chargek Inc.  
409 Calle San Pablo, Unit 104 Camarillo, CA 93012  
Phone: 866-482-7930 Fax: 805-482-7936  
www.chargetek.com Email: sales@chargetek.com



## Industrial Chargers and Power Supplies

- Rugged › Reliable › Lightweight › Compact
- Wide Operating Temperature Range: -30C to 60C
- DC/DC Vehicle/Solar Chargers & Power Supplies up to 300W
- SLA AGM Odyssey Genesis Optima Flooded and many others
- 85 – 264VAC Universal Input with .99 Power Factor Correction

### — Outstanding Features —

- Extremely Vibration Resistant
- Hermetically Sealed
- 94-V0 Encapsulation
- Completely Waterproof
- Extended Temperature Range
- Accurate Three State Charging
- Extends Battery Life
- Fully Automatic
- LED Indicators
- Can be connected indefinitely
- Performs at low AC voltages
- Keyhole slots for easy mounting
- 6' AC cord and 6' DC Cord



### — Safety & Protection —

- Reverse Polarity Protection
- Short Circuit Protection
- Over Temperature Protection
- Overvoltage Protection
- Ignition Protected
- Spark Free Connection
- UL/CSA1236 Certified
- Will Not Overcharge Batteries
- Automatic Diagnostics

The Chargetek product family is environmentally rugged and sophisticated. EMI Class B compliance and UL/CSA certification makes this product especially suited for demanding industrial applications. Charging algorithms and control / monitoring signals are easily configured with Chargetek proprietary firmware.

## Perfect for industrial, marine and recreational applications

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|----------------------|--------------------|---------------------|
| • Automobiles        | • Motorcycles      | • Electric Vehicles |
| • Marine Craft       | • Snowmobiles      | • UPS Batteries     |
| • Farm Equipment     | • Industrial Tools | • Remote Stations   |
| • Trailers           | • Test Equipment   | • Battery Storage   |
| • Overnight Charging | • Personal Craft   | • Security Systems  |

## 350 Watt Lithium Ion Industrial Charger

- Rugged, Intelligent, Sophisticated
- Wide Operating Temperature Range: -30C to 60C
- Fixed Voltage/Current or SMBus Level 2 or Level 3 Operation
- Wide AC Range 85 - 264 VAC and .99 Power Factor Correction



- UL/CSA Certification
- EMI Class B Compliant
- Precise Voltage Regulation
- State of Charge/Amp/AC LEDs
- Extremely Low Standby Battery Drain
- Optional Status Signals
- Vibration Resistant
- Reverse Polarity Protected
- Over Temperature Protected
- Over Current/Voltage Protected
- Waterproof Models Available
- Two Year Warranty

The CTLC product family is environmentally rugged and sophisticated. EMI Class B compliance and UL/CSA certification makes this product especially suited for demanding industrial applications. CTLC is available in a number of voltage/current combinations, including 2S, 4S, 8S, 10S and 12S applications as well as custom configurations.

Charging algorithms can range from simplistic to complex and easily configurable with Chargetek proprietary firmware. Optional SMBus Level 2 and Level 3 capability provides communication to smart battery packs. Shut-down via taper current and/or timers allows the charger to be left connected indefinitely.

