



New Precision Charge On-Board Chargers From Minn Kota®

RACINE, Wis. (July 2009) – Minn Kota® introduces a new line of Precision Charge (PC) On-Board Battery Chargers which feature digital technology and utilize high frequency charging.

With high frequency charging technology, the overall size of the PC On-Board Chargers is reduced, and the weight cut in half compared to traditional on-board models.

This charging technology provides low-line voltage compensation to give full-rated output at low AC input voltages. That means no compromise in overall battery recovery time.

“Let’s say you’re at a tournament and a group of anglers are plugged into one outlet or you have to run a long extension cord to an outlet,” Minn Kota Senior Brand Manager Joe Brown commented. “In many of those instances the results are lower input voltage to the charger which compromises charger output. Our PC Chargers compensate for lower input voltage and still deliver true-rated output of 10 amps per bank assuring rapid battery recovery.”

The PC Chargers will charge all standard flooded batteries, as well as high-performance AGM (Absorbed Glass Mat) and Gel batteries by simply using the battery selector. They also offer On-Demand battery equalization (flooded/wet cell only) to prevent sulfation and extend battery life.

Like all Minn Kota on-board chargers, the PC Chargers feature fully automatic three-stage charging...bulk, absorption and maintenance.

“By properly and automatically controlling current and voltage during the three stages of charging, our on-board chargers not only recharge faster but they also prevent overcharging,” Brown said. “Overcharging can damage and shorten battery life, so multi-stage charging is essential in extending the life of a battery.” Additionally, the PC Charger’s maintenance mode offers a time-out feature that turns off, and automatically turns on the charger when a load is applied or the battery voltage drops below 12.6 volts. The process protects the battery even further.

All Minn Kota on-board chargers have Automatic Temperature Compensation. “We know that lead acid batteries reach their peak charge level when they are pushed to what is called their gassing threshold, but gassing thresholds can change with temperature,” said Brown. “We added the Automatic Temperature

Compensation feature to our on-board chargers so that output voltage is adjusted to assure the battery reaches its gassing threshold and achieves a full charge. This feature also protects batteries from boiling due to overcharging at high temperatures.”

Additional features on all Minn Kota on-board chargers include:

- Waterproof, and shock- and vibration-resistant construction
- Short circuit, reverse polarity and ignition protection
- FCC compliant and UL listed to marine standard 1236
- Three-year warranty

The PC chargers are available in 1 to 4 bank models and have 10 amps output per bank and retail for \$169.99 to \$449.99.

MK 110PC	MK 220PC	MK 330PC	MK 440PC
1 bank 10 amps/bank 10 amps total output 6-1/4”L x 11-3/8”W x 3-1/2”H Weight: 7 lbs Recovery time: 4-6 hours Retail Price: \$169.99	2 banks 10 amps/bank 20 amps total output 8-1/4”L x 11-3/8”W x 3-1/2”H Weight: 8 lbs Recovery time: 4-6 hours Retail Price: \$279.99	3 banks 10 amps/bank 30 amps total output 11-3/4”L x 11-3/8”W x 3-1/2”H Weight: 10 lbs Recovery time: 4-6 hours Retail Price: \$389.99	4 banks 10 amps/bank 40 amps total output 13-3/4”L x 11-3/8”W x 3-1/2”H Weight: 11 lbs Recovery time: 4-6 hours Retail Price: \$449.99

For more information visit minnkotamotors.com, contact Minn Kota, P.O. Box 8129, Mankato, MN 56002, or call 800-227-6433.

Johnson Outdoors Marine Electronics LLC consists of the Minn Kota, Humminbird and Cannon brands. Minn Kota® is the world’s leading manufacturer of electric trolling motors, as well as offers a complete line of battery chargers, Trim Tabs and marine accessories. Humminbird® is a leading innovator and manufacturer of fishfinders, fishfinder/GPS combo units, chartplotters, marine radios and digital depth gauges. Cannon® is the leader in controlled-depth fishing and includes a full line of downrigger products and accessories.