

BATTERY CHARGER

Optionally with CAN connectivity

Delta-Q (Canada) has released two IC Series battery chargers for use in electric vehicles and stationary industrial equipment.

THE IC900 AND IC1200 BATTERY CHARGERS combine with the existing IC650 model to form a common charging platform for use across an OEM's product line. Applications include electric lift trucks and automated guided vehicles (AGVs), scooters and motorcycles, floor care machines, aerial work platforms and utility vehicles. The products can charge either lead acid (wet/flooded, sealed AGM or gel) or lithium-ion batteries. The three models provide 650 W, 900 W, or 1200 W of DC output power, respectively.

The products are validated for a long service life in challenging on-board applications, providing superior equipment uptime. IP66-rated ingress protection seals out dirt and fluids. Mechanical design and component selection help resist factors such as vibration, shock, and temperature extremes. The manufacturer is already accepting IC900 and IC1200 sample requests for delivery in December 2015, with full commercial production beginning in March 2016.



The shown chargers are available in 24-, 36-, and 48-V models (Photo: Delta-Q)

“IC Series chargers meet the market’s need for very reliable battery chargers that promote battery performance and long-term health. What makes these products special is their ease of integration and options for customization. Manufacturers can build features around these chargers to differentiate their products and improve the end-user experience,” said Trent Punnett from Delta-Q.

Support for different battery chemistries

The launched products provide “charge quality” for lithium-ion and lead acid batteries using charge profiles developed in Delta-Q’s battery lab. These high-performance profiles balance battery life, longevity and charge time requirements. The Canadian company has commercialized more than 50 profiles.

The optional CAN communication enables a link between the charger and other devices, providing for safe lithium-ion battery charging, and machine diagnostics and servicing information. The chargers store charge cycle data, which is accessible using their built-in USB host port. Through the host port, software updates and new charge profiles can be installed using a pre-programmed USB flash drive.

All IC Series chargers have a wide AC input range and are usable on any single-phase electrical grid worldwide. The IC650 holds broad regulatory approvals and identical approvals are intended for the IC900 and IC1200.