



IC

SERIES

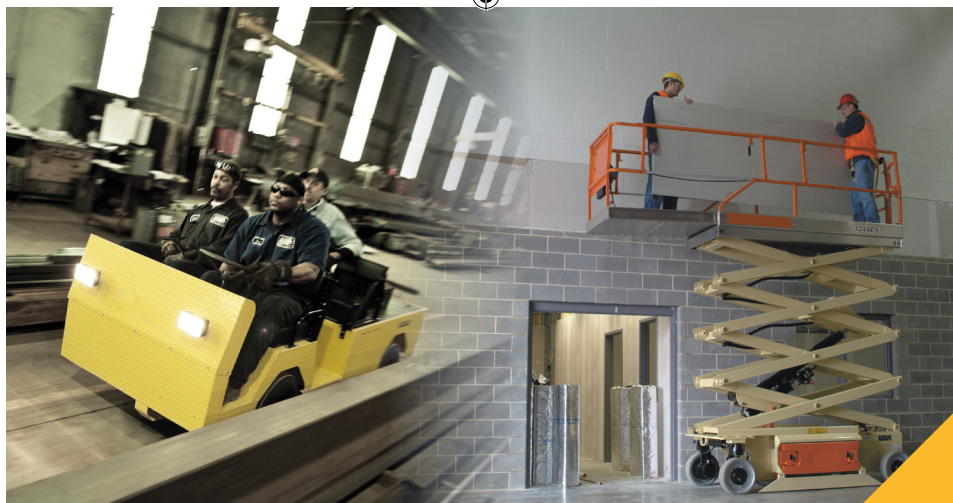
IC Series battery chargers provide superior reliability in difficult applications, charge quality for lead acid and lithium-ion batteries, and ease of integration for electric drive vehicles and industrial equipment. Key features include IP66-rated sealed enclosure, optional CAN bus communication and USB host port for charge cycle data download and software updates.



QuiQ

SERIES

QuiQ Series chargers share proven high-frequency electronics and an identical IP66-rated sealed mechanical enclosure. Customizable, including choice of up to 10 lab-validated charging profiles for lead acid (wet/flooded, AGM, gel) or lithium-ion batteries.



LEADING THE CHARGE IN INNOVATION.



OFFICIAL DISTRIBUTOR OF  
DELTA-Q TECHNOLOGIES

LOCATION  
Morton Grove, IL

WEBSITE  
[www.HowlandTechnology.com](http://www.HowlandTechnology.com)

PHONE  
+1 847-965-9808



# STANDARD IN ALL IC & QUIQ SERIES

## GLOBAL FLEXIBILITY

- Broad AC input range for use on any single-phase electrical grid 85-270 VAC
- Universal DC output

## PRECISION CHARGING WITH CUSTOM ALGORITHMS

- Charges any lead acid (flooded, AGM, gel) or lithium-ion\* batteries
- Holds up to 25 charging algorithms
- Delta-Q Technologies has over 200 algorithms for major battery brands

## DURABLE AND SEALED

- IP66 rated casing to withstand any harsh condition
- Resistant to shock, vibration, and temperature extremes

# EASY MACHINE INTEGRATION

## IC SERIES

- USB Port for easy algorithm changes
- Optional CANbus capabilities
- Available on or off-board

## QUIQ SERIES

- Available on or off-board

\*For lithium-ion charging please contact us

## IC 650 Battery Charger

650 W	
VOLTAGE	AMPERAGE
24V	27A
36V	18A
48V	13A



## IC 900 Battery Charger

900 W	
VOLTAGE	AMPERAGE
24V	37A
36V	25A
48V	20A



## IC 1200 Battery Charger

1200 W	
VOLTAGE	AMPERAGE
24V	50A
36V	33A
48V	25A



## QuiQ 1000 Battery Charger

1000 W	
VOLTAGE	AMPERAGE
24V	25A
36V	21A
48V	18A
72V	12A



## QuiQ 1500 Battery Charger

1200 - 1500 W	
VOLTAGE	AMPERAGE
48V	25 - 30A
72V	17 - 20A



- Includes all the features of the QuiQ 1000 with the following additional features:
- 30% faster charging than the QuiQ 1000

## QuiQ-dci Battery Charger

## DC-DC Converter

1000 W	
VOLTAGE	AMPERAGE
48V	18A
72V	12A



- Includes all the features of the QuiQ 1000 with the following additional features:
- DC-DC Converter