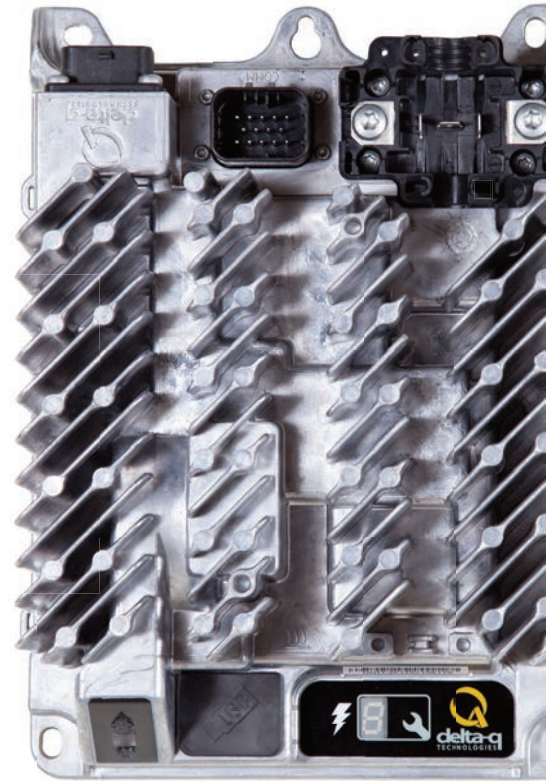




Delta-Q Chargers

PRODUCT GUIDE & PRICE LIST



FULLRIVER
BATTERY

www.fullriverbattery.com

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Technical Guide	14-15
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DELTA-Q GENERAL FEATURES & BENEFITS

Efficient. CEC Approved. Advanced switch mode high frequency design allows more efficient use of energy from standard wall outlet to battery.

Universal. "Plug it in and it just works." Wide-range AC input (85 - 265 VAC) allows use of one charger anywhere in the world.

Sealed. IP66 rated chassis provides reliable protection operation in harsh environments.

Rugged. Built for the rigors of the application. Delta-Q chargers are built to endure the shock and vibration better than any other charger on the market.

Optimized. Flooded, sealed, and lithium-ion battery compatibility. Select from an extensive list of charge algorithms backed with the validation of Delta-Q and many major battery manufacturers.

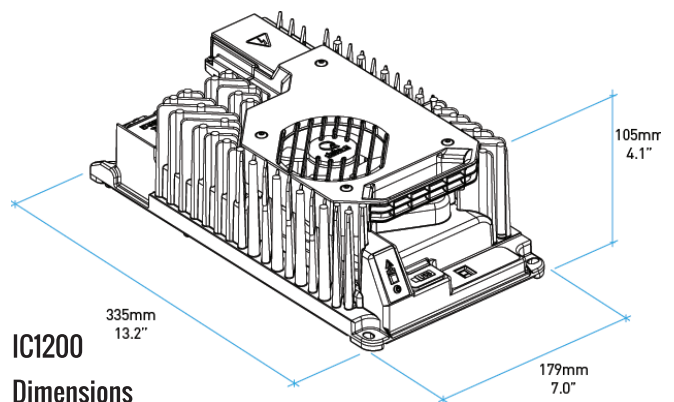
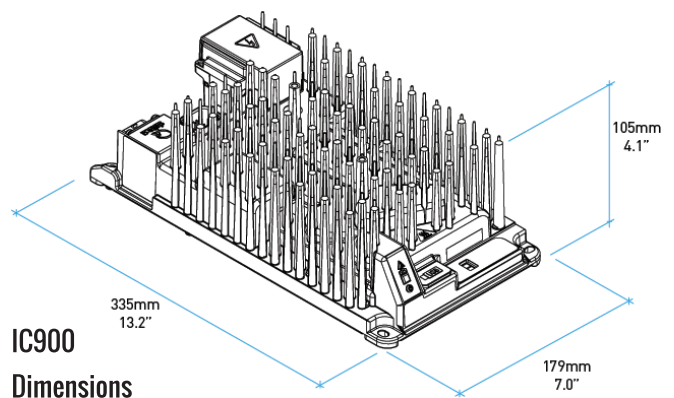
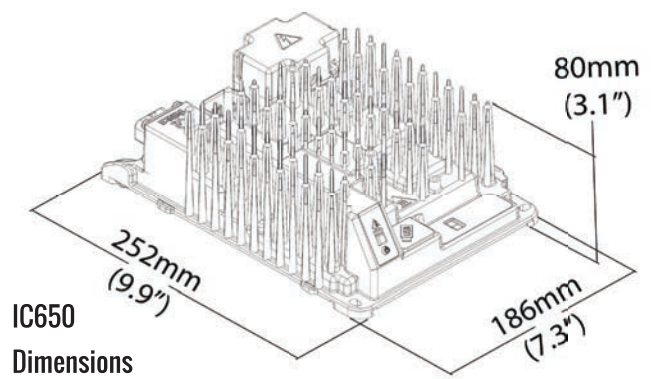
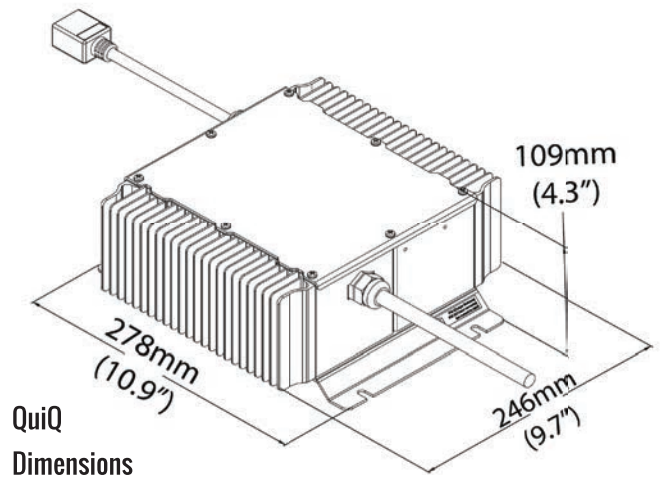
Memory. Delta-Q chargers store several charge profiles which can be selected to match the specific batteries in use.

Versatile. Designed for on-board and off-board applications. Lightweight and compact size allows on-board use and offers space advantages over traditional chargers in off-board installations.

Safe. Extensive safety features such as reverse polarity and short circuit protection ensure safe operation for both the operator and the charger itself.

Reliable. Low voltage threshold as low as 0.5VPC ensures the charger will do its job even when the batteries become extremely discharged.

Set it, forget it. All Delta-Q chargers include a maintenance mode. By keeping the charger plugged in, a user can prevent a battery from fully discharging during storage or intermittent use.



QuiQ On-Board Industrial Battery Charger

STANDARD FEATURES

Wide-range, Universal AC Input

*85-265VAC (IEC320/C14)

10-segment LED Display

*AC Power, 80% Charge, 100% Charge, Fault, and Ammeter (6)

Charge Any Battery

*Flooded, AGM, GEL, and Lithium-ion

*Stores up to 10 user-selectable charge algorithms

Sealed Chassis

*IP66 rating protects from dirt & moisture

DC Output • 6' (1.8m) Harness

* $\frac{3}{8}$ " Ring Terminals

*Battery Temp Sensor & Interlock Wire

Optional

*10' Remote LED (*Dashboard Status Indicator*)



QuiQ with Optional Remote LED

STANDARD MODELS

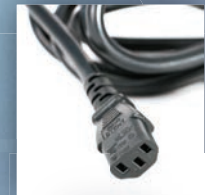
912-2400	24 volt / 25 amp
912-3600	36 volt / 21 amp
912-4800	48 volt / 18 amp
912-7200	72 volt / 12 amp
912-9600	96 volt / 8.5 amp (Discontinued)*



QuiQ Programmer

STANDARD MODELS WITH LED

912-2400-03	24 volt / 25 amp
912-3600-D1	36 volt / 21 amp
912-4800-D1	48 volt / 18 amp
912-7200-D1	72 volt / 12 amp



10' AC Cord

ACCESSORIES & SERVICE ITEMS

AC Cord - 10'	10' AC Cord
AC Cord - 15'	15' AC Cord
900-0002	Thermistor Repair Kit
900-0060	Temp Sensor Replacement
900-0058	Remote LED Replacement
900-0061	Remote LED Label
900-0089-02	QuiQ Programmer



Thermistor Repair Kit

*See page 5 (QuiQ ICON) for alternatives to the 912-9600.

QuiQ Off-Board Industrial Battery Charger

STANDARD FEATURES

Wide-range, Universal AC Input

*85-265VAC (IEC320/C14)

10-segment LED Display

*AC Power, 80% Charge, 100% Charge, Fault, and Ammeter (6)

Charge Any Battery

*Flooded, AGM, GEL, and Lithium-ion

*Up to 10 User-selectable Charge Algorithms

Sealed Chassis

*IP66 rating protects from dirt & moisture

DC Output • 8.2' (2.5M) Harness

*Anderson SB50 or Anderson SB175

SB50



SB175



QuiQ with
Anderson SB50 RED

STANDARD MODELS

AC Cord Included

913-2400	24 volt / 25 amp	with Anderson SB50 RED
913-3600	36 volt / 21 amp	with Anderson SB50 GREY
913-4800	48 volt / 18 amp	with Anderson SB50 BLUE
913-2400-175	24 volt / 25 amp	with Anderson SB175 RED
913-3600-175	36 volt / 21 amp	with Anderson SB175 GREY

STANDARD MODELS WITH GOLF PLUG

AC Cord Included

913-2400f	24 volt / 25 amp	with Crow's Foot Plug
913-3600a	36 volt / 21 amp	with EZGO "D" Plug
913-3600f	36 volt / 21 amp	with Crow's Foot Plug
913-3600g	36 volt / 21 amp	with Yamaha 2-pin (Nabson) Plug
913-4800b	48 volt / 18 amp	with EZGO 48v (notch) Plug
913-4800c	48 volt / 18 amp	with EZGO RXV Plug
913-4800d	48 volt / 18 amp	with Yamaha 3-pin Plug
913-4800e	48 volt / 18 amp	with Club Car 3-pin Round Plug
913-4800g	48 volt / 18 amp	with Yamaha 2-pin (Nabson) Plug
913-4800h	48 volt / 18 amp	with Star 3-pin Round Plug

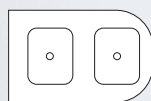


QuiQ Programmer



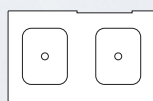
10' AC Cord

GOLF PLUGS



GCC-A

EZGO 36V D-Plug



GCC-B

EZGO 48V w/notch



GCC-C

EZGO 48V RXV



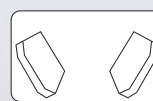
GCC-D

Yamaha 48V



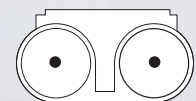
GCC-E

Club Car 48V



GCC-F

Crows Foot 36V



GCC-G

Yamaha 2-pin 36V



GCC-H

Star Car 48V

QuiQ ICON Industrial Battery Charger

STANDARD FEATURES

Wide-range, Universal AC Input

*85-265VAC (IEC320/C14)

10-segment LED Display

*AC Power, 80% Charge, 100% Charge, Fault, and Ammeter (6)

Charge Any Battery

*Flooded, AGM, GEL, and Lithium-ion

*Stores up to 10 user-selectable charge algorithms

Sealed Chassis

*IP66 rating protects from moisture / corrosion

DC Output • Stub Harness

*Anderson SBS50

*Color varies by charger voltage

Signal Output (8-pin Deutsch)

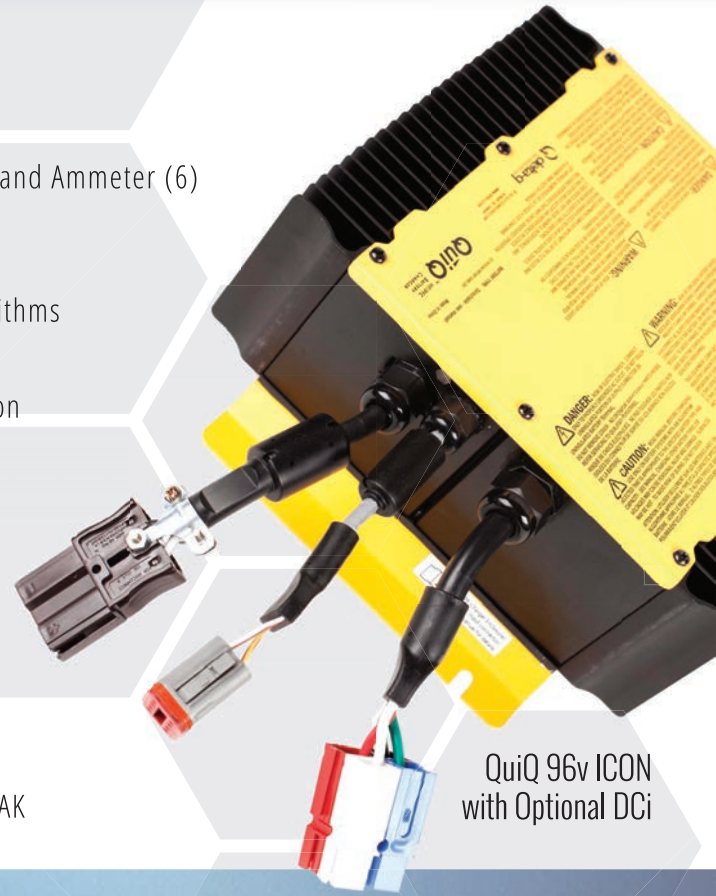
*Battery Temp Sensor

*Remote LED

*Interlock (NO and NC Relay)

Optional 12V DCi

*DCi (DC to DC convertor) 13.5V 30A / 60A PEAK



QuiQ 96v ICON
with Optional DCi

MODELS

ICON

912-4854	48 volt / 18 amp
912-7254	72 volt / 12 amp
912-9654	96 volt / 8.5 amp

WITH DCi

922-4854	48 volt / 18 amp
922-7254	72 volt / 12 amp
922-9654	96 volt / 8.5 amp

ACCESSORIES & SERVICE ITEMS

AC Cord - 10'	10' AC Cord (NEMA 5-15)
AC Cord - 15'	15' AC Cord (NEMA 5-15)
900-0072	SBS50 72v Green DC Connector
900-0074	SBS50 96v Brown DC Connector
900-0098	SBS50 48V Blue DC Assembly
900-0099	SBS50 72V Green DC Assembly
900-0101	SBS50 96V Brown DC Assembly
900-0103	Deutsch Harness
900-0061	Remote LED Label
900-0089-02	QuiQ Programmer

900-0071



SBS50 48V Blue
DC Connector

900-0076



PP75 Stacked 2x2 Kit
(DCi Models Only)

QuiQ 1500 Industrial Battery Charger

STANDARD FEATURES

1500 Series Features

- *Same "drop-in" size as 1kw models
- *30% faster charge over 1kw models
- *Excels in Aerial Booms and EVs
- *48v on-board or ICON configurations
- *72v ICON configuration only
- *Charges up to 500Ah battery packs



QuiQ 1500 with Anderson SBS50 Blue

Wide-range, Universal AC Input

- *85-265VAC (IEC320/C14)

10-segment LED Display

- *AC Power, 80% Charge, 100% Charge, Fault, and Ammeter (6)

Charge Any Battery

- *Flooded, AGM, GEL, and Lithium-ion
- *Stores up to 10 user-selectable charge algorithms

Sealed Chassis

- *IP66 rating protects from moisture / corrosion

DC Output • Stub Harness

- *Anderson SBS50
- *Color varies by charger voltage

Signal Output (8-pin Deutsch)

- *Battery Temp Sensor
- *Remote LED
- *Interlock (NO and NC Relay)

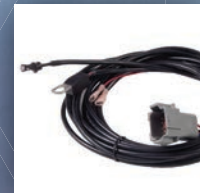
MODELS

	110VAC	220 / 240VAC
914-4800-01	48 volt / 25 amp / 1200 Watts	48 volt / 30 amp / 1500 Watts
914-4854-01	48 volt / 25 amp / 1200 Watts	48 volt / 30 amp / 1500 Watts
914-7254-01	72 volt / 17 amp / 1200 Watts	72 volt / 20 amp / 1500 Watts

ACCESSORIES & SERVICE ITEMS

AC Cord - 10'	10' AC Cord (NEMA 5-15)
AC Cord - 15'	15' AC Cord (NEMA 5-15)
900-0071	SBS50 48v Blue DC Connector
900-0072	SBS50 72v Green DC Connector
900-0098	SBS50 48V Blue DC Assembly
900-0099	SBS50 72V Green DC Assembly
900-0103	Deutsch Harness
900-0075	Deutsch Connector Kit
900-0061	Remote LED Label
900-0089-02	QuiQ Programmer

900-0103



Deutsch Harness

900-0099



SBS50 72V Green DC Assembly

IC Series Base Configuration

STANDARD FEATURES

- *Wide-range, universal AC input: 85-270 VAC (IEC 320/C14)
- *Universal DC output terminals for customizable OEM DC cables
- *Battery temperature sensor and vehicle interlock signals
- *Sealed USB 2.0 host port (Type A) with dust cover
- *AC source, battery status, charging, alarm, and fault status indicators
- *Charge profile and alarm/fault codes numeric display
- *Field programmable with up to 25 user-selectable charge profiles



Delta-Q IC650

BASE MODELS

IC650 MODELS

- 940-0001**
24 VDC / 27 amp
- 940-0002**
36 VDC / 18 amp
- 940-0003**
48 VDC / 14 amp

IC900 MODELS

- 942-0001**
24 VDC / 37.5 amp
- 942-0002**
36 VDC / 25 amp
- 942-0003**
48 VDC / 20 amp

IC1200 MODELS

- 941-0001**
24 VDC / 50 amp
- 941-0002**
36 VDC / 33 amp
- 941-0003**
48 VDC / 25 amp

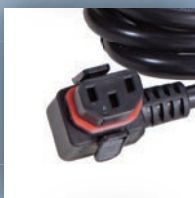
AC CORDS

AC CORD



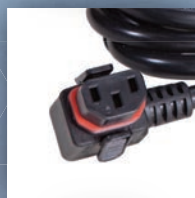
10' (3M)
Standard • Non-Locking
NEMA 5-15

475-0349



6.5' (2M)
Locking • Sealed
NEMA 5-15

475-0406



10' (3M)
Locking • Sealed
NEMA 5-15

475-0410



10' (3M)
Locking • Sealed
SCHUKO

475-0407



1.5' (0.45M)
Locking • Sealed
PIGTAIL

IC Series Comm Configuration

STANDARD FEATURES

*Includes all **BASE CONFIGURATION** features

PLUS...

- *CANbus (CANopen CiA 418/419)
- *Remote tri-color status indicator
- *Battery temperature sensor
- *Vehicle interlock (NO and NC dry contacts)



Delta-Q IC900



Delta-Q IC1200

COMM MODELS

IC650 MODELS

940-0004
24 VDC / 27 amp

940-0005
36 VDC / 18 amp

940-0006
48 VDC / 14 amp

IC900 MODELS

942-0004
24 VDC / 37.5 amp

942-0005
36 VDC / 25 amp

942-0006
48 VDC / 20 amp

IC1200 MODELS

941-0004
24 VDC / 50 amp

941-0005
36 VDC / 33 amp

941-0006
48 VDC / 25 amp

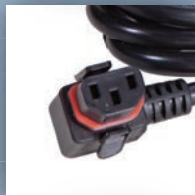
AC CORDS

AC CORD



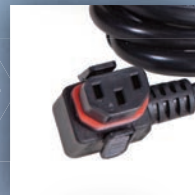
10' (3M)
Standard • Non-Locking
NEMA 5-15

475-0349



6.5' (2M)
Locking • Sealed
NEMA 5-15

475-0406



10' (3M)
Locking • Sealed
NEMA 5-15

475-0410



10' (3M)
Locking • Sealed
SCHUKO

475-0407



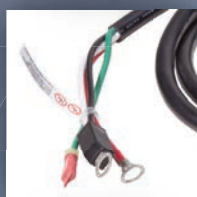
1.5' (0.45M)
Locking • Sealed
PIGTAIL

IC Series Accessories

*NOTE: Certain IC1200 models may require a thicker gauge DC harness. Please contact your Delta-Q representative in advance to ensure the harness selected is compatible with your charger.

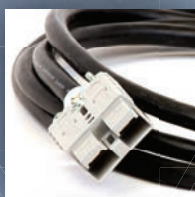
DC HARNESS*

475-0351



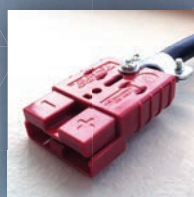
6' (1.8M)
3/8" Ring Terminal
BTS • iLock

475-0353



8' (2.4M)
APP • SB50 Grey

475-0409



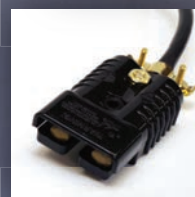
8' (2.4M)
APP • SB50 Red

475-0354



8' (2.4M)
APP • SB175 Grey

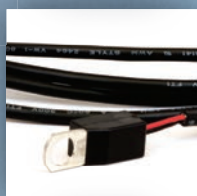
475-0379



2' (0.6M)
APP • SB175 Black
(Universal)

SIGNAL HARNESS

475-0348



10' (3M)
Remote Temp Sensor
FastOn

COMM MODELS ONLY

475-0357



6' (1.8M)
iLock • Remote LED

475-0358



1' (0.6M)
14 CCT • PIGTAIL

475-0359



6' (1.8M)
Isolated BTS • Remote LED
10 CCT • PIGTAIL

ACCESSORIES

900-0111



Handle & Rubber
Feet Accessory Kit

900-0112



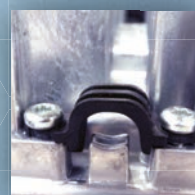
QuiQ Adapter Plate
with Fasteners

GP-BRACKET



Genie / Skyjack Retrofit
Plate with Fasteners

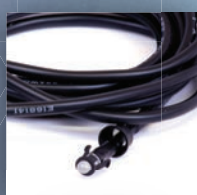
426-0062



DC Cord
Breakaway Clamp

SERVICE ITEMS

900-0058



10' (3M)
Remote LED • Shielded
Bare Wires

900-0061



Remote LED Label
(10 Pack)

900-0056



10' (3M)
Isolated Temp Sensor
Shielded • Bare Wires

900-0002



Thermistor Repair Kit

Genie & Skyjack “Drop-In” Industrial Charger

FEATURES AND BENEFITS

Simple “Drop-In” Installation for Genie & Skyjack

- *Utilizes existing mount locations for trouble free installation *(Ask us for the installation video)*
- *Everything you’ll need comes in the box. *(Basic hand tools required)*

Durable - Reliable

- *8+ Year Service Life
- *Sealed Design (IP66)
- *Wide AC Input (95-270VAC)
- *Low Voltage Pick Up (1.2V)

Intelligent - Flexible

- *High DC Output (27 Amps)
- *Charge AGM, GEL, or Flooded
- *Toolless Charger Programming
- *AC / DC Cables (replaceable)
- *Easily Retrieve Charge Data
- *High Efficiency (93.5%)



IC650 & Battery Bank

Compatible Machines

Genie Machines

GS-1530/32	GS-1930/32
GS-2032	GS-2046
GS-2632	GS-2646
GS-3232	GS-3246
QS-12	QS-15
QS-20	TZ-30
TZ-50	

Skyjack Machines

SJ3215	SJ3219
SJ3220	SJIII3226
SJIII4620	SJIII4626
SJIII4632	SJIII4832
SJIII6826	SJIII6832

Signet Charger Models

GENIE	SKYJACK
105739	161827 / 161828

IC650 Charger (940-0021-A)

- *24 Volts / 27 Amps

Mounting Plate

- *Preinstalled to charger for Genie and Skyjack

AC Cable; Sealed, Locking

- *Protects against dirt/moisture

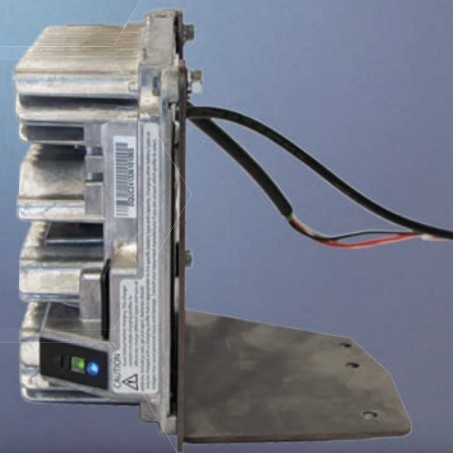
DC Cables

- *With ring terminals and temperature sensor

Interlock Cable

- *Works with both Genie and Skyjack machines

Installation / Use Instructions



IC650 & Mounting Plate

THE 940-0021-A KIT

JLG Drop-In Replacement Battery Charger

FEATURES AND BENEFITS

Charge Any Battery

- *Flooded, AGM, GEL, and Lithium-ion
- *Stores up to 10 user-selectable charge algorithms

DC Output

- *Anderson SB50 (RED Charger Output; Batt +vw (B+) Batt -ve (B-))

Signal Output

- *7" (1.8m) LED Signal Harness (6-pin Deutsch Connector)
- *TYCO Mate-N-Lock Interlock

Additional Features

- *24V / 25 amp (695 watts max)
- *Sealed Chassis protecting from dirt and moisture
- *2-year Free Replacement Warranty

*Drop in for Generation 3 ES series lifts built 2009 and beyond

**SAME CHARGER
THE OEM USES**

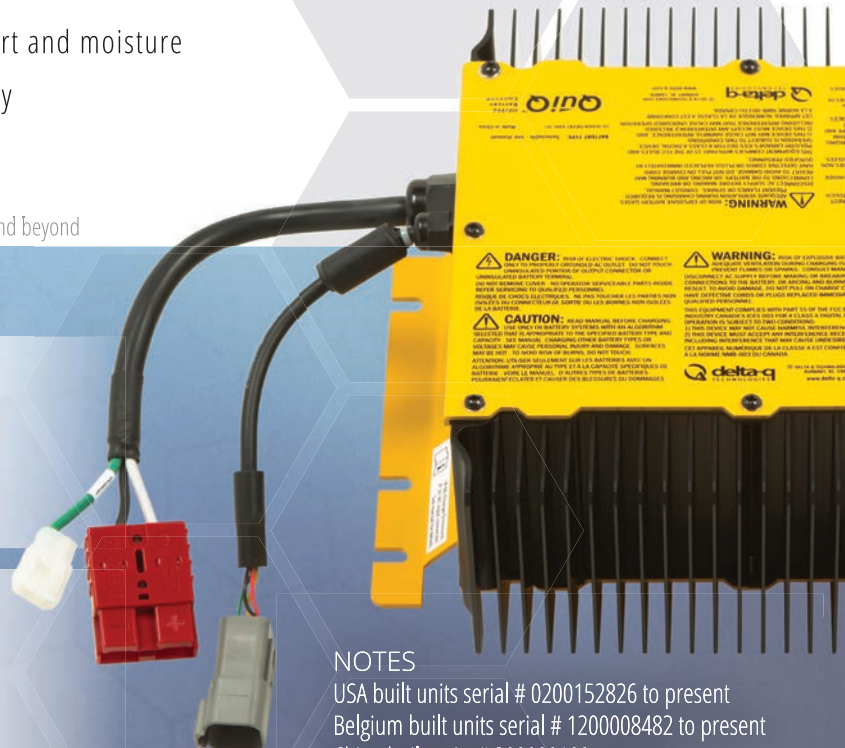
912-2400-JLG-16 REPLACES

400238
1001112111
100111121111-G

DROP-IN FOR
JLG PART NUMBER

912-2400-J2
912-2400-J7

DROP-IN FOR
QUIQ PART NUMBER



NOTES

USA built units serial # 0200152826 to present
Belgium built units serial # 1200008482 to present
China built units # 200000100 to present

QUIQ STANDARD ON-BOARD CHARGERS

PART #	Volts / Amps	Description	MSRP
912-2400	24v / 25A	24v Delta-Q QuiQ On-Board Charger	\$ 439.00
912-3600	36v / 21A	36v Delta-Q QuiQ On-Board Charger	\$ 449.00
912-4800	48v / 18A	48v Delta-Q QuiQ On-Board Charger	\$ 469.00
912-7200	72v / 12A	72v Delta-Q QuiQ On-Board Charger	\$ 509.00
912-8400	84v / 10A	84v QuiQ On-Board (Discontinued)	\$ -
912-9600	96v / 8.5A	96v Delta-Q QuiQ On-Board Charger (Discontinued; Alternatives: 912-9654 or 922-9654)	\$ 535.00

QUIQ STANDARD ON-BOARD CHARGERS with REMOTE LED

PART #	Volts / Amps	Description	MSRP
912-2400-03	24v / 25A	24v Delta-Q QuiQ On-Board Charger w/ Remote LED	\$ 449.00
912-3600-D1	36v / 21A	36v Delta-Q QuiQ On-Board Charger w/ Remote LED	\$ 469.00
912-4800-D1	48v / 18A	48v Delta-Q QuiQ On-Board Charger w/ Remote LED	\$ 479.00
912-7200-D1	72v / 12A	72v Delta-Q QuiQ On-Board Charger w/ Remote LED	\$ 517.00
912-7200-M1	72v / 12A	72v Delta-Q QuiQ On-Board Charger w/ Remote LED & REV Interlock (Discontinued)	\$ -

QUIQ 1500 HIGH POWERED ON-BOARD CHARGERS

PART #	Volts / Amps	Description	MSRP
914-4800-01	48v / 30A	48v Delta-Q QuiQ (1.5kW) On-Board Charger	\$ 660.00
914-4854-01	48v / 30A	48v Delta-Q QuiQ-ICON (1.5kW) On-Board Charger	\$ 660.00
914-7254-01	72v / 20A	72v Delta-Q QuiQ-ICON (1.5kW) On-Board Charger	\$ 735.00

QUIQ STANDARD OFF-BOARD CHARGERS / INCLUDES AC-CORD

PART #	Volts / Amps	Description	MSRP
913-2400	24v / 25A	24v Delta-Q QuiQ Off-Board Charger	\$ 449.00
913-3600	36v / 21A	36v Delta-Q QuiQ Off-Board Charger	\$ 429.00
913-4800	48v / 18A	48v Delta-Q QuiQ Off-Board Charger	\$ 455.00

QUIQ OFF-BOARD GOLF CHARGERS / INCLUDES AC-CORD and GOLF PLUG

PART #	Volts / Amps	Description	MSRP
913-2400f	24v / 25A	24v Delta-Q QuiQ Off-Board Charger with Crow's Foot Plug	\$ 429.00
913-3600a	36v / 21A	36v Delta-Q QuiQ Off-Board Charger with EZGO D-Plug	\$ 429.00
913-3600f	36v / 21A	36v Delta-Q QuiQ Off-Board Charger with Crow's Foot Plug	\$ 429.00
913-3600g	36v / 21A	36v Delta-Q QuiQ Off-Board Charger with Yamaha 2-Pin Plug	\$ 429.00
913-4800b	48v / 18A	48v Delta-Q QuiQ Off-Board Charger with EZGO Rectangle Plug w/ notch	\$ 429.00
913-4800c	48v / 18A	48v Delta-Q QuiQ Off-Board Charger with EZGO RXV Plug	\$ 429.00
913-4800d	48v / 18A	48v Delta-Q QuiQ Off-Board Charger with Yamaha 3-Pin Plug	\$ 429.00
913-4800e	48v / 18A	48v Delta-Q QuiQ Off-Board Charger with Club Car 3-Pin Plug	\$ 429.00
913-4800f	48v / 18A	48v Delta-Q QuiQ Off-Board Charger with Crow's Foot Plug	\$ 429.00
913-4800g	48v / 18A	48v Delta-Q QuiQ Off-Board Charger with Yamaha 2-Pin Plug	\$ 429.00
913-4800h	48v / 18A	48v Delta-Q QuiQ Off-Board Charger with Star Car Plug	\$ 429.00

QUIQ ICON ON-BOARD CHARGERS

PART #	Volts / Amps	Description	MSRP
912-2400-16	24v / 25A	24v Delta-Q QuiQ On-Board AWP (JLG drop-in replacement)	\$ 449.00
912-4854	48v / 18A	48v Delta-Q QuiQ-ICON On-Board Charger	\$ 469.00
912-7254	72v / 12A	72v Delta-Q QuiQ-ICON On-Board Charger	\$ 509.00
912-9654	96v / 8.5A	96v Delta-Q QuiQ-ICON On-Board Charger	\$ 535.00

QUIQ DCi ON-BOARD CHARGERS / Specialty Accessories May Be Required

PART #	Volts / Amps	Description	MSRP
922-4854	48v / 18A	48v Delta-Q QuiQ-DCi On-Board Charger (DC to DC Convertor)	\$ 795.00
922-7254	72v / 12A	72v Delta-Q QuiQ-DCi On-Board Charger (DC to DC Convertor)	\$ 825.00
922-9654	96v / 8.5A	96v Delta-Q QuiQ-DCi On-Board Charger (DC to DC Convertor)	\$ 875.00

QUIQ ICON ACCESSORIES

PART #	Item Type	Description	MSRP
900-0071	ICON Acc	48v Blue SB50 Kit with Strain Relief	\$ 18.50
900-0072	ICON Acc	72v Green SB50 Kit with Strain Relief	\$ 18.50
900-0074	ICON Acc	96v Brown SB50 Kit with Strain Relief	\$ 18.50
900-0098	ICON Acc	DC Harness Assembly - 1.8m, 48v Blue SBS50 with Ring Lugs	\$ 65.00
900-0099	ICON Acc	DC Harness Assembly - 1.8m, 72v Green SBS50 with Ring Lugs	\$ 65.00
900-00101	ICON Acc	DC Harness Assembly - 1.8m, 96v Brown SBS50 with Ring Lugs	\$ 65.00
900-0075	ICON Acc	8-Pin Deutsch Connector	\$ 24.99
900-0076	ICON DCi Acc	2x2 Stacked PP75 Accessory Kit	\$ 33.50
900-0103	ICON Acc	ICON Deutsch Harness - BTS iLock Relay Remote LED	\$ 58.50

QUIQ MISCELLANEOUS ACCESSORIES and SERVICE ITEMS

PART #	Item Type	Description	MSRP
AC-CORD-10	AC Cord	10' x 16AWG AC Cord	\$ 15.00
AC-CORD-15	AC Cord	15' x 16AWG AC Cord	\$ 25.00
900-0089-02	Programmer	QuiQ Programmer Kit	\$ 204.99
900-0002	BTS	Thermistor Repair Kit	\$ 15.99
900-0056	BTS	Isolated Temp Sensor 3m Shielded Wires	\$ 21.95
940-0064	BTS	Isolated Temp Sensor 1400mm - Faston Plugs	\$ 13.65
900-0058	LED	Remote LED 3m Shielded Bare Wires	\$ 19.95
900-0061	LED	Remote LED Label - 10 Pack	\$ 16.65

IC SERIES CHARGERS

PART #	Volts / Amps	Description	MSRP
940-0001	24v / 27A	Delta-Q IC650 BASE Industrial Charger	\$ 515.00
940-0002	36v / 18A	Delta-Q IC650 BASE Industrial Charger	\$ 515.00
940-0003	48v / 14A	Delta-Q IC650 BASE Industrial Charger	\$ 515.00
940-0004	24v / 27A	Delta-Q IC650 COMM Industrial Charger	\$ 540.00
940-0005	36v / 18A	Delta-Q IC650 COMM Industrial Charger	\$ 540.00
940-0006	48v / 14A	Delta-Q IC650 COMM Industrial Charger	\$ 540.00
942-0001	24v / 37.5A	Delta-Q IC900 BASE Industrial Charger	\$ 620.00
942-0002	36v / 25A	Delta-Q IC900 BASE Industrial Charger	\$ 620.00
942-0003	48v / 20A	Delta-Q IC900 BASE Industrial Charger	\$ 620.00
942-0004	24v / 37.5A	Delta-Q IC900 COMM Industrial Charger	\$ 650.00
942-0005	36v / 25A	Delta-Q IC900 COMM Industrial Charger	\$ 650.00
942-0006	48v / 20A	Delta-Q IC900 COMM Industrial Charger	\$ 650.00
941-0001	24v / 50A	Delta-Q IC1200 BASE Industrial Charger	\$ 650.00
941-0002	36v / 33A	Delta-Q IC1200 BASE Industrial Charger	\$ 650.00
941-0003	48v / 25A	Delta-Q IC1200 BASE Industrial Charger	\$ 650.00
941-0004	24v / 50A	Delta-Q IC1200 COMM Industrial Charger	\$ 695.00
941-0005	36v / 33A	Delta-Q IC1200 COMM Industrial Charger	\$ 695.00
941-0006	48v / 25A	Delta-Q IC1200 COMM Industrial Charger	\$ 695.00
940-0021	24v / 27A	Genie / Skyjack Drop-In Replacement Charger Kit with InterLock	\$ 590.00

IC SERIES ACCESSORIES

PART #	Item Type	Description	MSRP
AC-CORD-10	AC Power Cord	10' (3m) x 14AWG Standard AC-Cord (IEC320/C13)	\$ 17.99
AC-CORD-15	AC Power Cord	15' (4.5m) x 14AWG Standard AC-Cord (IEC320/C13)	\$ 25.00
475-0349	AC Power Cord	6.5' (2m) x 16 AWG (Locking / Sealing) AC-Cord (IEC320/C13)	\$ 18.90
475-0406	AC Power Cord	10.0' (3m) x 16 AWG (Locking / Sealing) AC-Cord (IEC320/C13)	\$ 29.53
475-0348	DC Harness	5.91' (1.8m) 3/8" Ring Terminal with BTS w/ iLock	\$ 32.48
475-0353	DC Harness	8.00' (2.44m) with Anderson SB50 Grey	\$ 39.43
475-0409	DC Harness	8.00' (2.44m) with Anderson SB50 Red	\$ 39.43
475-0354	DC Harness	8.00' (2.44m) with Anderson SB175 Grey	\$ 106.23
475-0379	DC Harness	2.00' (0.61m) with Anderson SB175 Black	\$ 81.70
900-0012	Adapter Plate	QuiQ to IC650 Plate with Fasteners	\$ 37.50
900-0013	Adapter Plate	Genie Retrofit Plate	\$ 45.00
900-0111	Handle/Feet Kit	Handle and Feet Kit for Off-Board Applications	\$ 9.98
426-0062	Clamp	Clamp for Breakaway DC Cord	\$ 4.98

IC SERIES SERVICE ITEMS

PART #	Item Type	Description	MSRP
900-0058	Replacement LED	10' (3m) Remote LED 3m Shielded Bare Wires	\$ 17.38
900-0061	LED Labels	Replacement Remote LED Label - 10 Pack	\$ 14.88
900-0056	Temp Sensor	Isolated Temp Sensor 3m Shielded Bare Wires	\$ 19.88
900-0002	Repair Kit	Thermistor Repair Kit	\$ 12.38
400-0354	DC Cord Clamp	DC Terminal Cord Clamp	\$ 4.98
499-0300	DC Cover	DC Terminal Cover	\$ 12.48
400-0369	Signal Cover	Signal Cover	\$ 12.50
422-0094	Screw	M5x16 Taptite Pan Head	\$ 1.23
410-0365	Screw	M6x8x.75 Machine Torx Pan Head	\$ 1.23
400-0305	Nut	M6 Square	\$ 1.23
426-0054	Secure Sleeve	IEC 320 C14	\$ 4.38
400-0367	Plug	USB Sealing Plug	\$ 4.98
900-0059	Temp Sensor	Isolated Temp Sensor 140mm Bare Wires	\$ 9.88
900-0060	Temp Sensor	Isolated Temp Sensor 1.2m Bare Red Wires	\$ 12.38

AMMETER

Solid

Displays Scale of output during bulk phase.

Flashing

Output has been reduced due to high internal charger temperature. Displays Charge profiles 1-6 for 11 seconds if no battery is connected.

AC INDICATOR

Solid

AC power is present

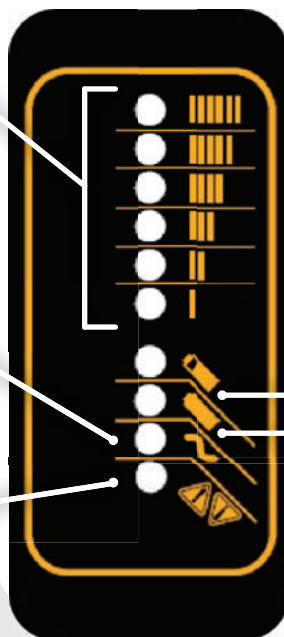
Flashing

Low AC voltage. Check electrical source and cord length.

FAULT INDICATOR

Red Light

Charger error. Refer to troubleshooting instructions below.



BULK CHARGE INDICATOR

Solid

Bulk charge phase complete (80% charged); in absorption phase.

Flashing

Displays charge profile number if no battery is connected.

CHARGE COMPLETION

Solid

Charging complete and maintenance mode is active.

Flashing

Absorption phase complete, in finishing phase.

Selecting a Charge Profile

Delta-Q's QuiQ Charger can store up to 10 charging profiles, also called charge algorithms. Pre-2006 QuiQ chargers with serial number prefix DQCP allow pre-loaded profiles to be selected, but cannot be reprogrammed with new profiles. QuiQ chargers can be programmed using one of two methods.

MANUAL SELECTION METHOD

Requires no external hardware.

QUIQ PROGRAMMER WITH PC METHOD

Requires a QuiQ Programmer (900-0089-02) and a PC.

For more information, visit the Delta-Q support page:
www.delta-q.com/support/



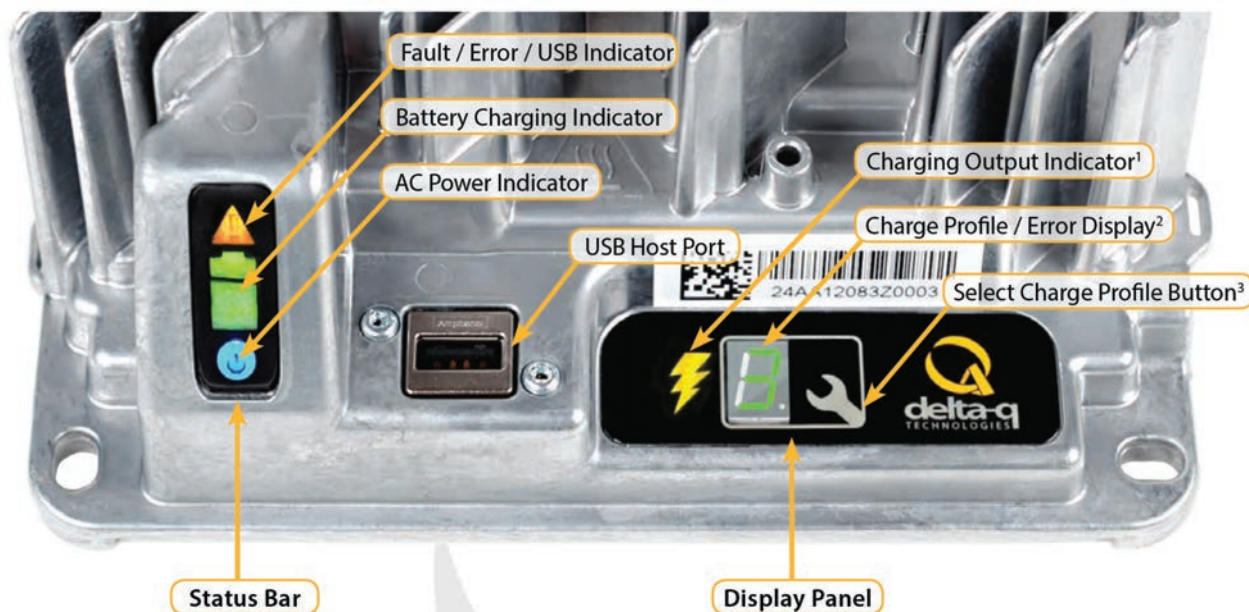
QUIQ

SERIES

Troubleshooting Instructions

If a fault occurs, count the number of red flashes between pauses and refer to the table below.

Flash Sequence	Cause	Solution
⏸️ 🔴 ⏸️	Battery high voltage.	Check battery size condition. This fault will clear automatically once the condition has been corrected.
⏸️ 🔴 🔴 ⏸️	Battery low voltage.	Check battery size and condition. This fault will clear automatically once the condition has been corrected.
⏸️ 🔴 🔴 🔴 ⏸️	Charge timeout caused by battery pack not reaching required voltage; or charger output reduced due to high temperatures.	Check connections. Ensure battery type matches selected charge profile and operate the charger at a lower ambient temperature. Reset the charger by interrupting AC power for 15+ seconds.
⏸️ 🔴 🔴 🔴 🔴 ⏸️	Battery could not be trickle charged up to minimum voltage.	Check for shorted or damaged cells. Reset the charger by interrupting AC power for 15+ seconds.
⏸️ 🔴 🔴 🔴 🔴 🔴 ⏸️	Charger shutdown due to high internal temperature.	Ensure sufficient cooling airflow. Reset the charger by interrupting AC power for 15+ seconds.
⏸️ 🔴 🔴 🔴 🔴 🔴 🔴 ⏸️	Internal charger fault.	Reset the charger by interrupting AC power for 15 seconds. Return to service depot if fault persists.



IC

SERIES



Solid Red - Charger Fault.
See display panel for details.



Solid Blue - AC power available.



Flashing Amber - Caution. External error condition. See display panel for details.



Flashing Green - Low state of charge.
Solid Green - High state of charge.



Flashing Green - USB port active.
Solid Green - Safe to remove USB flash drive.



Flashing Green - High state of charge.
Solid Green - Charge complete.

Selecting a Charge Profile

1

Disconnect AC input from the charger, or from the wall outlet. Wait 30 seconds for the input relay to open. (See Figure 1)

2

While reconnecting AC input, press and hold the Select Charge Profile Button. Hold the button until Error Indicator is on and Battery Charging Indicator starts flashing.

3

Press and release the Select Charge Profile Button to advance through charging profiles loaded on the charger. The selected charging profile will be displayed up to three times (e.g. "P-0-1-" for Profile 11). (See Figure 2)

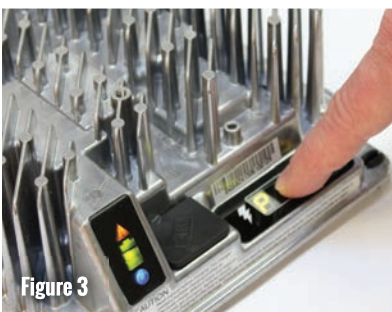
4

Once desired charging profile is displayed, press and hold button for 10 seconds to confirm selection and exit Profile Selection Mode. (See Figure 3)

5

Press the Select Charge Profile Button to check that the desired profile is selected.

For more information, visit the Delta-Q support page:
www.delta-q.com/support/



Algorithm #	Preloaded On		Battery Type	AH Range	Compatibility	Designed For	Notes
	QuiQ	IC Series					
5*	•	•	Flooded	85-150	Group 27, 31	Trojan 30XHS / 31XHS	
1*		•	Flooded	150-260	Group GC2, GC8, GC12, J185	Trojan T-105	
38*		•	Flooded	120-170	Group GC12 / Industrial Cells	Trojan T1275	113% Finish Cap
7			Flooded	330-425	Group J305, L16	Trojan L16	
37			Flooded	200-250	42v	Trojan-105	48v to 42v Conversion
71	•	•	Flooded	140-200	Group GC8, 27, 31	US Battery 8V-GC	
11	••	••	Flooded	200-255	Group GC2, GC2H	US Battery US125	
72	•	•	Flooded	250-320	Group J305	US Battery US-305HC	
73	•	•	Flooded	300-425	Group L16	US Battery US-L16HC	
21*	•	•	Flooded	210	Industrial Cells	Exide	
42*		•	AGM	80-150	General AGM	Discover EV31A	
43*		•	AGM	200-400	General AGM	Discover	
126*	•	•	AGM	85-140	Group 24, 27, 31	Fullriver	Fullriver Compatible Only
125*	•	•	AGM	150-200	Group GC8, GC12, 6v27	Fullriver DC180-8	Fullriver Compatible Only
151*	•	•	AGM	220-290	Group GC2, J185, 4D, 8D	Fullriver DC224-6	Fullriver Compatible Only
141*	•	•	AGM	335-415	Group J305, L16	Fullriver DC400-6	Fullriver Compatible Only
225			AGM	55-415	All Models	Fullriver All Models	Fullriver Only - Float Charge
8*			AGM	80-150	Group 24, 27, 31	Concord / Lifeline 104Ah	
35*			AGM	200-255	Group GC2, GC2H, 6v27	Concord / Lifeline 233Ah	
5*			AGM	85-150	Group 27, 31, GC12	Trojan	Float Finish
6*	•	•	GEL	98-120	Group 27, 31	East Penn Deka 8G31	
26*		•	GEL	150-230	Group GC8, GC2	East Penn Deka 8GGC2	
52*			GEL	80-130	Group 27, 31	Exide Sonnenschein 105Ah	
51*			GEL	150-200	Group GC8, GC2	Exide Sonnenschein 180Ah	
12*			GEL	200-300	Group 4D, 8D, J305	Exide 240Ah	

- * Temperature compensated algorithm
 •• Default setting for QuiQ and IC650 chargers

CAUTION: Using algorithms to charge batteries they were not designed for is done at your own risk. Delta-Q is continuously testing and updating charge algorithms with various batteries. Though many algorithms may work with a range of batteries, certain properties including variations in manufacturing, chemical composition, and health may cause unacceptable charging performance. Closely monitor a suggested battery/algorithm combination for at least three charge cycles to ensure batteries are being properly charged.