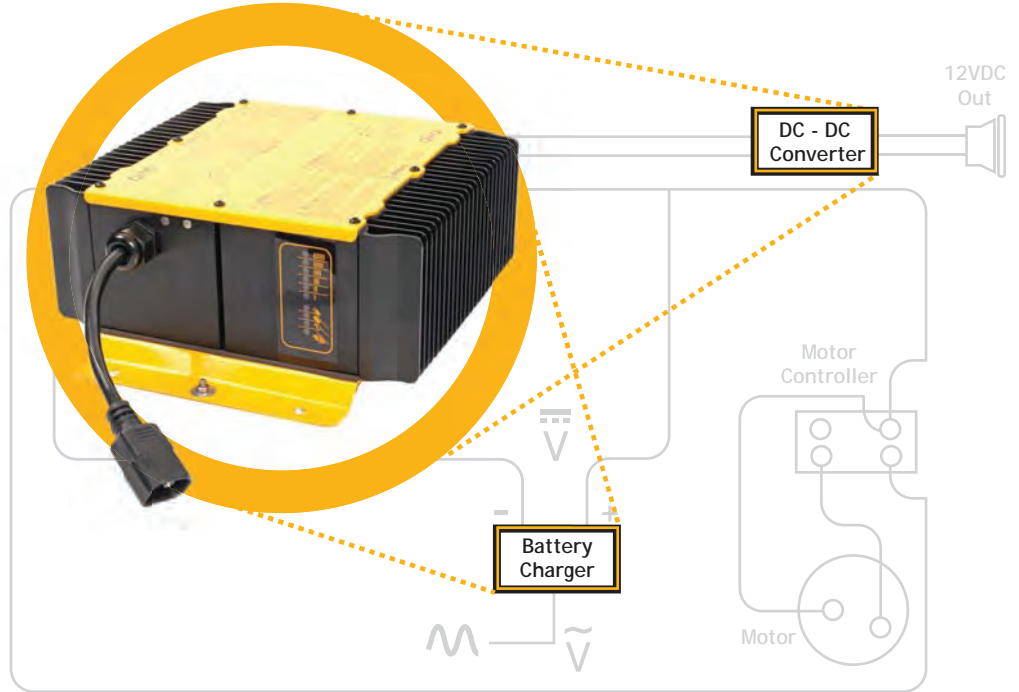


**NOW
AVAILABLE
IN 96V**

- ✓ 1 kW HF/PFC Charger
- ✓ 400W 12V Converter
- ✓ System Cost Reduction



Designed for Onboard Use

The QuiQ-dci is specifically built for onboard operation in harsh automotive environments. Rugged, lightweight and intelligent design provides continuous operation in any application. High efficiency power conversion allows the QuiQ-dci to offer 1 kW of charging or 400 Watts of DC power in the same fully sealed enclosure. System reliability is increased by the reduction of moving parts and cable interconnections.

Approved Charge Algorithms

The QuiQ-dci can store up to 10 Delta-Q developed algorithms for many battery types, sizes and chemistries. Manufacturing and field service personnel can easily toggle between algorithms as batteries change and download new algorithms into the charger "on the fly."



Universal Input

QuiQ-dci is designed with a wide input voltage range from 85 - 265 VAC, making it an ideal choice for any worldwide application. Power Factor Correction and 12A maximum current draw ensures the charger will work reliably from any power outlet in the world, even through surges and sags.

The isolated 400 Watt DC-DC converter provides clean, continuous power from your 48, 72 or 96V battery pack, without taking any more valuable space.

Regulatory Compliance

The QuiQ-dci is UL recognized and CE compliant and has passed stringent EMI, safety, vibration and water ingress protection (IP) tests. QuiQ-dci offers leading-edge efficiency, power factor correction and GFCI compatibility for safe and reliable operation.

System Cost Reduction

Replace an onboard charger and dc-dc converter with the QuiQ-dci, and take advantage of space, weight, inventory management, installation labor and field service savings.

The QuiQ-dci is that unique product that meets all the typical design constraints faced by the electric vehicle engineer.

For more information contact:

Delta-Q Technologies Corp.
3755 Willingdon Ave
Burnaby, BC V5G 3H3
Canada

tel: 604.327.8244
fax: 604.327.8246
email: info@delta-q.com
www.delta-q.com



- Integrated unit saves space, weight and cabling, while increasing system reliability
- Advanced high frequency design with > 90% efficiency and >.99 power factor
- Wide range AC input (85 - 265 VAC) for worldwide operation
- Fully sealed enclosure provides improved reliability in demanding environments
- Approved battery charge algorithms for ideal charging
- Integrated Charge Tracking for Advanced Troubleshooting and Charge History Analysis

QuiQ-dci HF/PFC Battery Charger / DC-DC Converter Specifications

subject to change without notice

DC Output (Charger)	QuiQ Model: 922-		
	48xx	72xx	96xx
DC Output Voltage - nominal	48 V	72 V	96 V
DC Output Voltage - maximum	68 V	100 V	135 V
DC Output Current - maximum	18 A	12 A	8.5 A
DC Output Power - maximum	1000 W	1000 W	945 W
Interlock Current - maximum	1 A	0.5 A	0.5 A
Battery Type	Specific to selected algorithm		
Reverse Polarity	Electronic protection - auto-reset		
Short Circuit	Electronic current limit		

DC Output (Converter)

DC Output Voltage	13.5 +/- 0.7 V		
Output Current - continuous/peak	30 A / 60 A		
Output Lines	Switched, Direct (unswitched)		
No-load power draw	< 0.7 W	< 0.7 W	< 0.9 W
DC Input (Battery) Voltage - range	35 - 87 V	50 - 130 V	60 - 150 V

AC Input

AC Input Voltage - range	85 - 265 VAC		
AC Input Voltage - nominal	120 VAC / 230 VAC rms		
AC Input Frequency	45 - 65 Hz		
AC Input Current - maximum/nominal	12 A / 9.5 A rms @ 120 VAC or 5 A rms @ 230 VAC		
AC Power Factor - nominal	> 0.99 @ 120 VAC / > 0.98 @ 230 VAC		

Mechanical

Dimensions	28.0 x 24.6 x 11.0 cm (11 x 9.7 x 4.3")		
Weight	< 6 kg (< 13 lbs)		
AC input connector	IEC320/C14 (require ≥ 1.8m localized cord)		
DC output connector	OEM specific w/12AWG wire		

Environmental

Enclosure	IP66 (NEMA4)		
Operating Temperature	-30°C to +50°C (-22°F to 122°F), derated above 30°C (86°F), below 0°C (32°F)		
Storage Temperature	-40°C to +70°C (-40°F to 158°F)		

Regulatory

Safety	UL approved to UL1564 3rd Ed., and CSA 107.2, EN 60335-2-29, Designed to meet UL2202 1st Ed.		
Emissions	FCC Part 15/ICES 003 Class A, EN 55011,		
Immunity	EN 61000-3-2, EN 61000-3-3 EN 61000-4-2/-3/-4/-5/-6/-11		

Operation

AC ON	Solid YELLOW AC LED		
>80% Charge Indicator	Solid YELLOW Charge LED		
100% Charge Indicator	Solid GREEN Finish LED		
Fault Indicator	Flash RED Fault LED		
DC Ammeter	LED Bargraph (6 level)		
Long-term Storage Mode	Auto-restart if battery voltage < 2.1 V/cell or 30 days elapse		

Special Features

Battery Temperature Monitoring with Multiple Temperature Sensor Options			
External Communications			
PC-based configuration software for field programmability			
Advanced Microprocessor with Integrated Charge Cycle and Event Tracking			

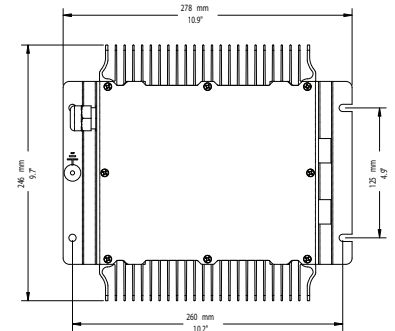
Options

• OEM Specific DC Output Cords	• Localized AC Input Cord
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Rear view of QuiQ-dci ICON configuration shows inline DC and signal connectors (Charger output on left, Signal I/O in middle, DC-DC Converter on right). Mate with OEM Specific Output Cords.

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