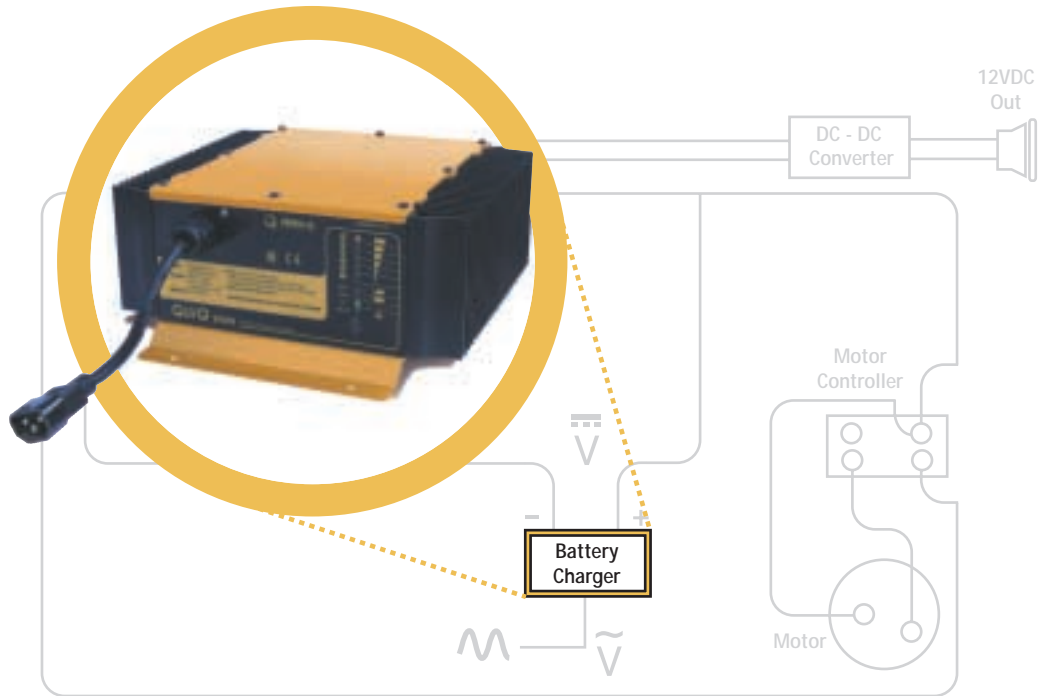


High Reliability  
 High Performance  
 Unbeatable Value



# QuiQ™

## HF/PFC Battery Chargers



### Universal Input

Power factor correction, wide input voltage range and 12A maximum current insures the QuiQ charger will work reliably from any power outlet in the world, even through surges and sags.

Standardizing on a single universal model reduces vehicle OEM manufacturing and service inventory management costs due to fewer (or even one) SKUs.

### Optimized Charge Algorithms

Support for all popular lead acid brands and formats as well as advanced battery chemistries, resulting in improved battery life and capacity.



### Regulatory Compliance

UL, CE, CSA for universal acceptance. Leading edge efficiency, power factor correction, and GFCI compatibility for safe and reliable operation.



### Vibration & Shock Resistant

Rugged but lightweight design for continuous operation in harsh environments. Built for onboard installation for the convenience of charging anywhere and maximum run time.

### Sealed construction

Eliminate failures due to dust/moisture ingress or fan malfunction on competitive chargers so equipped. Sealed design enhances safety and withstands field pressure spray washing when located on the vehicle.

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*Power in Motion™*

- Advanced high frequency switching design and 90% typical efficiency
- Wide range AC input (85 - 265 VAC)
- Fully sealed enclosure - improved reliability in demanding environments
- 0.99 power factor - minimize utility surcharges and maximize use of AC power
- Latest battery charge algorithms for quick and accurate charging (default I<sub>1</sub>, I<sub>2</sub>, U, I<sub>3a</sub>)

### QuiQ HF/PFC Battery Charger Specifications

subject to change without notice



	QuiQ 2425	QuiQ 3621	QuiQ 4818	QuiQ 7212
<b>Output</b>				
DC Output Voltage - nominal	24V	36V	48V	72V
DC Output Voltage - maximum	33.6V	50.4V	67.2V	100V
DC Output Current - maximum	25A	21A	18A	12A
Interlock Current - maximum	20A	5A	2A	1A

<b>Input</b>	
AC Input Voltage	85-265VAC (derated output current with <108VAC)
AC Input Voltage - nominal	120VAC / 230VAC rms
AC Input Frequency	45-65 Hz
AC Input Current - maximum	12A rms @ 108VAC
Inrush Current - maximum	4A peak
AC Power Factor	>0.99

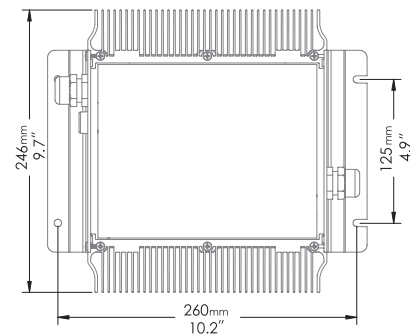
<b>Operation</b>	
AC Power Indicator	Yellow LED
80% Charge Indicator	Yellow LED
100% Charge Indicator	Green LED
Fault Indicator	Red LED
DC Ammeter	Yellow LED bargraph (6 level)
External Temperature Sensor	Automatic, incorporated into output connector

<b>Protection</b>	
Output Reverse Polarity	Electronic protection - auto reset
Output Short Circuit	Electronic protection - auto reset
AC Overload	Current limited
AC Fuse	3AB 15A or 5x20mm 6.3A fast acting
DC Overload	Current limited
Battery Pack	Over/under voltage shutdown
Over-Temp	Thermostatically controlled output current

<b>Mechanical</b>	
Dimensions	28.0cm x 24.5cm x 11.0cm (11" x 9.7" x 4.3")
Weight / Shipping Weight	<4.8kg (<10.5 lbs.) / 5.3kg (11.7 lbs.)
Ingress Protection	IP 46 NEMA 4 Type 4
Operating Temperature	-30°C to +50°C (-22°F to 122°F) derated output current T>30°C
Storage Temperature	-40°C to +70°C (-40°F to 158°F)
Housing	Shock and water resistant aluminum
Connection: DC	2m 12 AWG cable with 3/8" ring terminals
Connection: AC	IEC 320/C14 (>1.8m localized powercord required)

<b>Regulatory (UL, CSA, CE)</b>	
Safety:	UL1564 (2nd Ed.) / CSA C22.2 No.107.2-01 / EN60335-1, 2-29 / UL 2202
Emissions:	FCC Part 15 Subpart B / ICES003 / EN55011: Class A; EN61000-3-2/3
Immunity:	EN61000-4-2/3/4/5/6/11

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