

QUANTUM BATTERY CHARGERS

MAXIMIZE FORKLIFT CHARGING EFFICIENCY AND REDUCE ENERGY COSTS

Optimize the productivity of your forklift fleet with lithium-ion battery chargers offering conventional, opportunity, and fast-charge capabilities in a single, integrated, modular design.

Part of Energy Essentials Distributed by Raymond, Quantum battery chargers offer the highest charge efficiency available and are compatible with the entire family of Raymond lift trucks.

CHARGE YOUR BATTERIES WITH GREATER FLEXIBILITY AND EFFICIENCY

- + Multi-voltage and multi-AH capabilities to meet the charging needs of various material handling equipment and batteries
- + Touchscreen interactive display for control and troubleshooting
- + LED status bar on charger provides visual alerts
- + Modular design with plug-n-play power module installation
- + Auto bypass of faulty modules for uninterrupted operations



ENERGY ESSENTIALS
DISTRIBUTED BY **RAYMOND®**

MODULAR ENERGY EFFICIENT HIGH FREQUENCY TECHNOLOGY



Quantum battery chargers are paired with the Energy Essentials Distributed by Raymond lithium-ion batteries, which can be fully integrated into iWAREHOUSE® to give you remote monitoring and management capabilities.

iWAREHOUSE Telematics gives you a single, comprehensive, user-friendly reporting platform that collects and analyzes your data—the GATEWAY. The GATEWAY puts detailed

information at your fingertips so you can make smarter, faster business decisions to optimize efficiency.

Within the GATEWAY, you can view valuable reports that provide daily visibility into battery health, performance, and utilization. Monitor and manage your batteries easily and efficiently with a range of reporting capabilities.

If you're looking for a partner with the tools and experience to help you run better and manage smarter, contact us today at 1-800-235-7200 or visit us at raymondcorp.com.

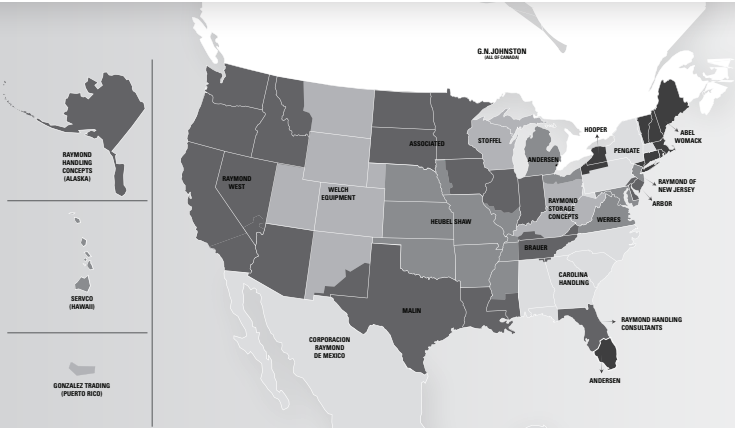
RAYMOND

RAYMOND P/N	DESCRIPTION	BATTERY VOLTAGE	# OF POWER MODULES	OUTPUT CURRENT (AMPS) @ 24V/36V NOM.	OUTPUT CURRENT (AMPS) @ 48V NOM.	INPUT CURRENT DRAW 480VAC (AMPS)	INPUT CURRENT DRAW 600VAC (AMPS)	OUTPUT CABLE (LENGTH = 12')
1403665/004*	Q4 24V/36V 200A A320	24V/36V	4	200	N/A	11.0	8.8	2/0
1403665/204**								
1403667/005*	Q6 24V/36V 250A A320	24V/36V	5	250	N/A	13.8	11.0	3/0
1403667/205**								
1402964/005*	Q6 24V/36V 250A R640	24V/36V	5	250	N/A	13.8	11.0	3/0
1402964/205**								
1403667/006*	Q6 24V/36V 300A A320	24V/36V	6	300	N/A	16.5	13.2	3/0
1403667/206**								
1403666/006*	Q12 24V/36V 300A A320	24V/36V	6	300	N/A	16.5	13.2	3/0
1403666/206**								
1403666/007*	Q12 24V/36V 350A A320	24V/36V	7	350	N/A	19.3	15.4	4/0
1403666/207**								
1402965/007*	Q12 24V/36V 350A R640	24V/36V	7	350	N/A	19.3	15.4	4/0
1402965/207**								
1402965/009*	Q12 24V/36V 450A R640	24V/36V	9	450	N/A	24.8	19.8	MCM350
1402965/209**								
1402965/010*	Q12 24V/36V 500A R640	24V/36V	10	500	N/A	27.5	22.0	MCM350
1402965/210**								
1402965/011*	Q12 24V/36V 550A R640	24V/36V	11	550	N/A	30.3	24.2	MCM350
1402965/211**								
1403667/104*	Q6 24V/36V/48V 160A A320	24V/36V/48V	4	168	147	11.0	8.8	1/0
1403667/304**								
1403667/106*	Q6 24V/36V/48V 240A A320	24V/36V/48V	6	252	220	16.5	13.2	3/0
1403667/306**								
1403666/107*	Q12 24V/36V/48V 280A A320	24V/36V/48V	7	294	257	19.3	15.4	3/0
1403666/307**								
1402965/107*	Q12 24V/36V/48V 280A R640	24V/36V/48V	7	294	257	19.3	15.4	3/0
1402965/307**								
1403666/108*	Q12 24V/36V/48V 320A A320	24V/36V/48V	8	336	293	22.0	17.6	4/0
1403666/308**								
1403666/109*	Q12 24V/36V/48V 360A A320	24V/36V/48V	9	378	330	24.8	19.8	4/0
1403666/309**								
1402965/109*	Q12 24V/36V/48V 360A R640	24V/36V/48V	9	378	330	24.8	19.8	4/0
1402965/309**								
1402965/111*	Q12 24V/36V/48V 440A R640	24V/36V/48V	11	462	403	30.3	24.2	MCM350
1402965/311**								
1402965/112*	Q12 24V/36V/48V 480A R640	24V/36V/48V	12	504	440	33.0	26.4	MCM350
1402965/312**								

*480VAC, 3-Ph, 50/60Hz
**600VAC, 3-Ph, 50/60Hz
CERTIFIED: UL/CUL/CE | CEC
Peak Charge Efficiency: >94%
Total Charge Cycle Efficiency: >93.5%
Dimensions: Q4: L16" X W16" X H24"
Q6: L24" X W16" X H24"
Q12: L24" X W16" X H36"
Operating Temperature Range: 0° F – 122° F



Warranty only with purchase through
Raymond Energy Essentials Lithium program



NATIONWIDE NETWORK OF SOLUTIONS AND SUPPORT CENTERS

From the latest battery and charging technologies to comprehensive power studies and consulting services, Raymond can help you get more done using less energy through our nationwide network of more than 100 Solutions and Support Centers. Find your local experts at raymondcorp.com.

For more information or to see how Quantum battery chargers could enhance the efficiency and productivity of your operation, please reach out to your local Solutions and Support Center, or contact us using the information below.