HIGH-FREQUENCY LITHIUM-ION BATTERY CHARGERS

OPTIMIZE UPTIME AND MAXIMIZE SAVINGS WITH INNOVATIVE, MODULAR CHARGING SOLUTIONS

Take advantage of the enhanced performance and productivity of today's lithium-ion forklift batteries with scalable, modular, high-frequency chargers from Energy Essentials Distributed by Raymond®.

Compact and lightweight, these energy-efficient smart chargers can be easily installed throughout your facility to enhance the uptime, performance, and productivity of your lift truck fleet.

UNIVERSAL CHARGING SOLUTION

+ Power range: 6.1kW to 24kW
+ 135A to 600A
+ Single and dual cable options
+ High energy efficiency with standard California Energy Commission (CEC) certification
+ Modular design maximizes uptime, improves reliability, and enables faster, easier service
+ Simple, functional expansion
+ BMS-controlled for optimum charging rate
+ Continuous operation if a module fails for uninterrupted charging
+ 6 year warranty



ENERGY ESSENTIALS
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INCREASE THE EFFICIENCY AND PRODUCTIVITY OF YOUR LIFT TRUCKS WITH THE IDEAL LITHIUM-ION BATTERY/CHARGER COMBINATION

Minimize downtime and reduce costs with an integrated system that takes less time to charge and eliminates the need for extra batteries.



+ **Plug-and-play solution** can be easily tailored to your existing forklift fleet
+ **Multi-voltage system** allows you to combine 2.04kW power modules to produce over 24kW of output
+ **Modular architecture** provides a scalable, reliable solution that can adapt as your needs change

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

POWER YOUR BUSINESS WITH A MORE SCALABLE, RELIABLE, SERVICEABLE SOLUTION

High-frequency lithium-ion battery chargers from Energy Essentials Distributed by Raymond combine cutting-edge charging and energy-management technologies in a small footprint to give you lower acquisition costs, easy maintenance, and flexible installation.

Modular architecture

+ Multiple configuration options to suit your fleet
+ Easy addition of individual modules as your needs change

Simple serviceability

+ Fast, easy maintenance enhances uptime
+ Power module can be easily changed to support continuous operation

Built-in redundancy

+ Unneeded modules automatically turn off to allow remaining modules to operate at peak efficiency
+ Charger continues to run if an individual module fails

Small footprint

+ Lightweight wall, post, or rack-mounted options to suit your facility and fleet

ORDER CODE	CHARGER MODEL	OUTPUT AT 24V/36V/48V	INPUT AT 480 VAC	CONNECTOR	OUTPUT CABLE	DC VOLTS
101291	RVX05 24/36V 135A, A320	135	8.4	A320	2/0	24/36V
101292	RVX05 24/36V 180A, A320	180	11.3	A320	2/0	24/36V
101293	RVX05 24/36V 200A, A320	200	12.5	A320	2/0	24/36V
101509	RVX08 24/36V 225A, A320	225	14.1	A320	4/0	24/36V
101294	RVX08 24/36V 245A, A320	245	15.3	A320	4/0	24/36V
101482	RVX08 24/36V-270A, A320	270	16.8	A320	4/0	24/36V
101483	RVX08 24/36V-315A, A320	315	19.7	A320	4/0	24/36V
101484	RVX08 24/36V-350A, A320	350	21.9	A320	4/0	24/36V
101508	RVX12 24/36V 360A, A320	360	22.5	A320	4/0	24/36V
101500	RVX08 24/36V-225A, R640	225	14.1	R640	4/0	24/36V
101501	RVX08 24/36V-270A, R640	270	16.8	R640	4/0	24/36V
101489	RVX08 24/36V-315A, R640	315	19.7	R640	4/0	24/36V
101490	RVX08 24/36V-350A, R640	350	21.9	R640	4/0	24/36V
101494	RVX12 24/36V-405A, R640	405	25.3	R640	MCM250	24/36V
101495	RVX12 24/36V-450A, R640	450	28.1	R640	MCM250	24/36V
101496	RVX12 24/36V-495A, R640	495	30.9	R640	MCM250	24/36V
101295	RVX05 24/36/48V-136A, A320	136	11.3	A320	2/0	24/36/48V
101296	RVX05 24/36/48V-170A, A320	170	14.1	A320	2/0	24/36/48V
101298	RVX08 24/36/48V-204A, A320	204	16.8	A320	4/0	24/36/48V
101299	RVX08 24/36/48V-245A, A320	245	20.2	A320	4/0	24/36/48V
101488	RVX08 24/36/48V-272A, A320	272	22.5	A320	4/0	24/36/48V
101491	RVX12 24/36/48V-306A, A320	306	25.3	A320	4/0	24/36/48V
101492	RVX12 24/36/48V-340A, A320	340	28.1	A320	4/0	24/36/48V
101493	RVX12 24/36/48V-374A, A320	374	30.9	A320	4/0	24/36/48V
101502	RVX08 24/36/48V-272A, R640	272	22.5	R640	4/0	24/36/48V
101503	RVX12 24/36/48V-272A, R640	272	22.5	R640	4/0	24/36/48V
101504	RVX12 24/36/48V-306A, R640	306	25.3	R640	4/0	24/36/48V
101505	RVX12 24/36/48V-340A, R640	340	28.1	R640	4/0	24/36/48V
101506	RVX12 24/36/48V-374A, R640	374	30.9	R640	4/0	24/36/48V
101507	RVX12 24/36/48V-400A, R640	400	33.1	R640	4/0	24/36/48V
101228	RVX12 24/36V-405A, A320 Dual	405	25.3	2 x A320	2 x 4/0	24/36V
101229	RVX12 24/36V-450A, A320 Dual	450	28.1	2 x A320	2 x 4/0	24/36V
101230	RVX12 24/36V-490A, A320 Dual	490	30.6	2 x A320	2 x 4/0	24/36V
101226	RVX12 24/36V-540A, A320 Dual	540	33.7	2 x A320	2 x 4/0	24/36V
101231	RVX12 24/36/48V-340A, A320 Dual	340	28.1	2 x A320	2 x 4/0	24/36/48V
101232	RVX12 24/36/48V-374A, A320 Dual	374	30.9	2 x A320	2 x 4/0	24/36/48V
101233	RVX12 24/36/48V-408A, A320 Dual	408	33.7	2 x A320	2 x 4/0	24/36/48V
101240	RVX24 24/36/48V-442A, A320 Dual	442	36.5	2 x A320	2 x 4/0	24/36/48V
101241	RVX24 24/36/48V-476A, A320 Dual	476	39.4	2 x A320	2 x 4/0	24/36/48V
101244	RVX24 24/36/48V-490A, A320 Dual	490	40.5	2 x A320	2 x 4/0	24/36/48V
101238	RVX24 24/36/48V-510A, A320 Dual	510	42.2	2 x A320	2 x 4/0	24/36/48V
101239	RVX24 24/36/48V-544A, A320 Dual	544	44.9	2 x A320	2 x 4/0	24/36/48V
101270	RVX24 24/36/48V-578A, A320 Dual	578	36.5	2 x A320	2 x 4/0	24/36/48V
101235	RVX24 24/36/48V-600A, A320 Dual	600	39.4	2 x A320	2 x 4/0	24/36/48V

ORDER CODE	ACCESSORY
101282	RVX05 Charger Stand Kit - Single Cable
101283	RVX08 Charger Stand Kit - Single Cable
101284	RVX12 Charger Stand Kit - Single Cable
101286	RVX12 Charger Stand Kit - Dual Cable
101285	RVX16/24 Charger Stand Kit - Single/Dual Cable
101281	RVX05/08 Charger Rack Stand
101239	RVX24 24/36/48V-544A, A320 Dual
101270	RVX24 24/36/48V-578A, A320 Dual
101235	RVX24 24/36/48V-600A, A320 Dual

RVX05 = 12.5" W x 8.5" D x 20.25" H, weight ≤ 68 lbs*
RVX08 = 18.5" W x 9.5" D x 21.00" H, weight ≤ 95 lbs*
RVX12 = 26.5" W x 9.5" D x 21.00" H, weight ≤ 154 lbs*
RVX24 = 30.0" W x 10.0" D x 48.00" H, weight ≤ 300 lbs*

All chargers listed are 3 Phase, 50/60 Hertz, 480VAC
All chargers include 12ft cable length outside the cabinet
*Weights do not include DC output cables or connectors



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For more information or to see how high-frequency lithium-ion 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.

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