

Romeo Power Introduces First Lithium-Ion Battery Pack Adaptable for Any Electric Forklift Make or Model

Designed to Set New Standard for Safety, Toxicity and Cycle Time

VERNON, Calif. – July 18, 2017 – Romeo Power, the energy storage technology company founded by top engineers and designers from SpaceX, Tesla, Samsung and Amazon, today introduced THUNDER PACK™- C, the first lithium-ion (Li-ion) battery pack designed to be adapted for any electric forklift make or model. Like its predecessor, the THUNDER PACK - J 2.0, THUNDER PACK - C is safer, non-toxic and far more energy efficient with significantly longer cycle life than lead acid batteries that still dominate the global forklift market, now forecasted to reach \$55.9 billion in 2021.

Romeo Power THUNDER PACKs are warranty-backed to last 4,000 cycles – approximately 12 years – deliver quick recharge, require no maintenance, and produce zero emissions and zero odors. In contrast, traditional lead-acid forklift battery packs have much shorter cycle life, long recharge and cool-down periods, need constant maintenance, run out of energy in as few as six hours, and emit hydrogen sulfide gas and sulfuric acid that smells bad, is messy, and hurts the environment.

“In our experience forklift buyers want three things: more safety, longer drive time and less downtime,” said Michael Patterson, Romeo Power founder and CEO. “THUNDER PACK – J 2.0 – and come December, THUNDER PAC – C – were developed to deliver on all three criteria better than any other battery pack on the market today.”

All Romeo Power battery packs are engineered to exceed the most stringent government safety requirements and include an advanced battery management system based on control-oriented, physico-chemical models. Combined with the company’s innovations in thermal engineering, manufacturing processes and the materials chosen to connect components, Romeo Power battery packs have smaller space requirements than other battery packs on the market and offer enhanced state-of-charge (SOC) and state-of-health (SOH) monitoring.

“Romeo Power battery packs are just unbeatable,” said Dan Crowley, CEO of Madison, WI-based Power Designers USA, an innovative battery charger company that provides battery packs and charging solutions for forklifts and other materials handling equipment. “THUNDER PACK’s design, materials and thermals, combined with Power Designers’ advanced charging algorithm are totally winning the day with our customers – especially big, name-brand packaged goods and food companies with massive fleets of forklifts in their warehouses.”

Batteries Are Big Business

The global forklift market, valued at \$35.3 billion in 2014, is projected to expand at a compound annual growth rate of 6.9 percent and now forecast to reach \$55.9 billion by the end of 2021, according to a February report by Persistence Market Research (PMR).

In 2014, 55 percent of global forklift sales were electric models. In 2015, 60 percent were electric. In North America, electric lift trucks now represent nearly 64 percent of sales.

The increase in electric forklift sales is due to several factors, including efficiency and cost. The need for a machine or equipment that can maneuver heavy goods with ease to various locations is also an important reason that drives this market, according to a January study by Allied Market Research. And other triggers such as an increase in productivity, reduced injuries and accidents along with operator comfort are major considerations that supplement the market growth, the study found. But the main influence is reduced emissions in the work environment, according to MHI.org, the largest materials handling, logistics, and supply chain association in the U.S.

Yet, electric forklifts are still powered predominantly by lead-acid batteries, which emit hydrogen sulfide gas and sulfuric acid that smells bad, is messy, and hurts the environment.

“Our ability to adapt THUNDER PACK – C for any electric forklift make or model is huge, not to mention we’re manufacturing it in America,” said Patterson. “When you combine that with zero maintenance, zero watering, zero battery room, no gassing, no equalize charging, zero hazard and significant cycle life increase, we think we have everything we need to disrupt this market and change it for the good, forever.”

Just The Specs

Li-ion battery technology is changing the way the industrial motive power market does business -- and Romeo Power continues to advance the technology

	THUNDER PACK – J 2.0	THUNDER PACK - C
Configuration	18-125-17 drop-in replacement	Works with 95% of forklifts on the market
Capacity	900 AH / 30 kWh	20kW / 40kWh
Voltage	36V	24V, 36V, 48V
Cycle Life	Up to 4,000 full cycles	Up to 4,000 full cycles
Dimensions	38.27 x 20.15 x 30.50	Configurable for 224 different tray options
Weight	2,808 lbs.	Depends on configuration
Warranty	4,000 cycles (approximately 12 years)	4,000 cycles (approximately 12 years)

Availability

Limited quantities of Romeo Power THUNDER PACK – J 2.0 are now available. To order, go to <https://romeopower.com/ev-forklift>. THUNDER PACK – C will begin shipping in December. To reserve or pre-order THUNDER PACK – Cs go to <https://romeopower.com/ev-forklift>.

About Romeo Power

Romeo Power makes the most powerful and energy-dense battery packs in the world. Top engineers and designers from SpaceX, Tesla, Samsung, and Amazon, started Romeo Power in 2014. Today, the energy storage technology company leads the charge in battery pack innovation, safety and reliability for vehicles and personal power products. Welcome to the best at <https://romeopower.com>

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