

Low Voltage Battery Systems



lithosenergy.com

Lithos Low Voltage System is a high density 2170 cylindrical-based system that offers passive propagation resistance in a compact design. Features include an integrated BMS, CAN 2.0B communications, IP67 ingress protection, drop rated to 1-meter, with high shock and vibration resistance. The Lithos Low Voltage System is ideally suited for specialty on-and-off road e-mobility, marine, industrial robots, telecom, and reserve power.



Features

- Lithium-Ion Battery Pack
- High Energy and Power Density
- Built in USA
- Passive Propagation Resistant
- Integrated BMS with Wi-Fi, Bluetooth and CAN 2.0B Communication
- Onboard Pack Protection: Fuse and Contactor
- Cooling Plate for Active or Passive Cooling
- Twist-Lock Power Connector
- High Shock and Vibration Endurance
- >500V Electrical Isolation
- Rugged IP67 Rated Enclosure - Drop Rated to 1 m

Industries

- Marine
- E-Mobility
- Off-Highway
- Specialty, Light, and Autonomous Vehicles
- Industrial Robots
- Telecom
- Reserve Power

Final product specifications may vary. All information is subject to change without notice.

Model	Lithos LV
Nominal Battery Voltage	51.2 V
Battery Voltage Range	35-58.8 V
Pack Energy	2.48 kWh
Continuous Discharge Power	3.5 kW / 70 A
Max Pulse Power, 10s	9 kW / 180 A
Charge Current, Cont	23.6 A
Charge Power, Cont	1.2 kW
Mass (dry, est.)	13.5 kg
Cooling System	Active or Passive
Pack Sealing	IP67
Discharge Temperature Range	-40 to 60°C
Charge Temperature Range	0 to 60°C
Storage Temperature Range	-40 to 60°C
Specific Energy	186 Wh/kg



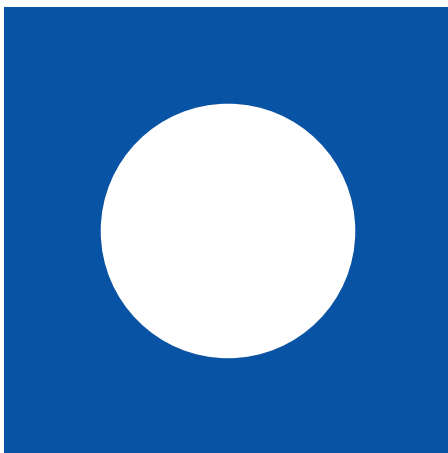
Battery Systems Engineered to Perfection. Designed and Manufactured in California.

Since 2015, Lithos has solidified its position as a world leading manufacturer of high-performance lithium-ion battery systems engineered for the most demanding environments. Founded by highly regarded alumni from MIT and Tesla, Lithos is proud of its unwavering commitment to engineering excellence. The company's world-class team is dedicated to pioneering battery innovation and providing top-notch customer service.

Our proprietary, customizable battery systems give clients the ability to take products to market faster at scale, providing the confidence and agility needed to lead electrification initiatives. Our innovative technology enables industry-leading power and energy density— with hallmark Lithos application-specific dependability and safety.

Industries served include automotive, e-mobility, marine, off-highway, energy storage, defense, construction, mining, and agriculture.

All Lithos battery systems are designed and manufactured at its state-of-the-art facility in Silicon Valley, California.



Do you want to discuss your next project, or learn more about our world-class battery technology? Our sales team is here to help.

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