



Electrovaya - High Voltage Battery Systems

Powered by lithium-ion ceramic technology

Advantages

- Advanced Technology**
 Proven performance for demanding applications
- Industry Leading Safety**
 UL Listed cells and systems protected using proprietary lithium-ion ceramic technology and leading safety systems
- Superior Cycle Life**
 Best performing NMC lithium-ion cells in the industry backed with 3rd party test data
- Increased Productivity**
 Longer operating times, faster charge rates with opportunity rapid charge
- Lowest Total Cost of Ownership**
 Longest NMC cycle life in the industry
- Modular design**
 Battery systems are designed to be scaled through a modular approach. This enables storage capacity to be tailored for specific applications
- Strongest Warranty**
 Up to 12 years; no battery replacement required through application lifetime.

Specifications

		Module	Pack	
Configuration		9S2P	90S2P	180S2P
Voltage range (V)		27 - 38	270 - 378	540 - 756
Dimensions (mm)		277 x 262 x 160	1540 x 610 x 180	1540 x 610 x 340
Weight (kg)		18	214	420
Nominal Capacity (Ah)		104	104	104
Nominal Energy (kWh)		3.5	34.6	69.3
Energy Density		194 Wh/kg 302 Wh/L	161 Wh/kg 205 Wh/L	164 Wh/kg 217 Wh/L
Power* (kW)	Continuous	3.5	34.6	69.3
	10 sec	7	69.3	138.5
Charging Time		1 hour fast charging capability**		
Cell Technology		Electrovaya EV-44 (NMC with full ceramic separator)		
Operational Temperature		Discharge: -30 °C to 50 °C / Charge: -5 °C to 50 °C Discharge: -22 °F to 122 °F / Charge: 23 °F to 122 °F		
Cycle life		9000+ cycles**		
Warranty		Up to 12 years		

* Depending on cell T & SOC amongst other factors. Average current rate will have a high impact on the need for active liquid cooling to be present

** May vary depending on the application and the operating conditions



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