



Electrovaya Infinity-HV Battery Systems

Powered by Infinity Lithium-ion Ceramic Technology

Advantages

- **Advanced Technology** - Proven performance for demanding applications
- **Industry Leading Safety** - UL Listed cells, ECE R100.3 certification planned systems and IP67 rating
- **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
- **Strong Warranty** - Up to 12 years; no battery replacement required through application lifetime.

Specifications

		HV-300	HV-700
Configuration		90S2P	180S2P
Voltage range (V)		288 - 369	576 - 738
Dimensions (mm)		1540 x 610 x 180	1740 x 763.8 x 298.8
Weight (kg)		238	420
Nominal Capacity (Ah)		108	108
Nominal Energy (kWh)		36	71.92
Energy Density		151 Wh/kg 213 Wh/L	171 Wh/kg 181 Wh/L
Power* (kW)	Continuous	72	144
	30 sec	108	216
Charging Time		45 mins fast charging capability**	
Cell Technology		Electrovaya 54 Ah NMC cell with full ceramic separator	
Operational Temperature		Discharge: -30 °C to 55 °C / Charge: 0 °C to 55 °C Discharge: -22 °F to 131 °F / Charge: 32 °F to 131 °F Operations at 55°C-60°C (131°F-140°F) allowed for ≤ 24 hrs	
Cycle life		14000 cycles**	
Warranty		Up to 12 years	
Certification		UN 38.3, ECE R100.3 (Planned)	

* 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

INFINITY
LITHIUM ION CERAMIC TECHNOLOGY
by **electrovaya**

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