

# Electrovaya - Battery Modules

*Powered by Infinity Lithium-ion Ceramic Technology*



## Advantages

EV multiple module configurations exhibits an outstanding combination of leading-edge cycle and calendar life, unique safety features and a superior quality level based on EV Infinity lithium-ion ceramic cells certified to UN38.3, UL1642, UL1973, and UL2580 standards

- Building block modules that can be configured within a system to various heavy duty applications
- Integrated voltage and temperature sensors for easy integration with a battery management system (BMS)
- Vibration optimized through laser welded tabs and padded frames for dampening
- Thermal management through integrated heat sink and thermal padding between cells
- Superior cycle and calendar life that are ideal for long-term and demanding applications

## Specifications (Popular Modules)

Configuration	1S6P	4S2P	7S1P	7S2P	9S2P			
Cell Technology	Electrovaya EV cell (NMC with full ceramic separator)							
Nominal Capacity	324Ah	102Ah	54Ah	108Ah	108Ah			
Nominal Energy	1.2 kWh	1.5 kWh	1.4 kWh	2.8 kWh	3.6 kWh			
Voltage range (min, nominal, max)	3, 3.7, 4.2 V	12.8, 14.8, 16.4 V	21, 25.9, 29.4 V	21, 25.9, 29.4 V	27, 33.3, 37.8 V			
Dimensions (mm) WxDxH	175 x 85 x 280	220 x 68 x 317.5	277 x 160 x 103	277 x 160 x 210	277 x 160 x 262			
Weight	7.1 kg	9.8 kg	9.5 kg	15 kg	18 kg			
Charge/Discharge C-rate *	Continuous: Up to 1C/1C Pulse: 2C/3C	Continuous: Up to 0.4C/0.5C Pulse: 2C	Continuous: Up to 1C/3C Pulse: 2C/5C					
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							
Cycle life	14000 cycles*							
Warranty	1 year with a 3rd party BMS and up to 5 years with EV-BMS							

\* May vary depending on the operating conditions

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