



Airport Ground Support Equipment (GSE) Battery Systems Powered by Infinity Lithium-ion Ceramic Technology

Advantages

- **Safety** - UL2580 listed cells protected using proprietary Infinity 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 run times, higher round-trip efficiency, and faster charge rates with opportunity rapid charge
- **Lowest Total Cost of Ownership** - Longest cycle life in the industry with lowest \$/cycle technology
- **Strongest Warranty** - Up to 10 years
- **Proven** - Infinity technology powering over 30,000 motive vehicles

Specifications

Model	80V1S	80V2S	80V3S
Voltage (V)	80		
Dimensions (in)	28.4 x 12.1 x 24.1	28.4 x 24.2 x 24.1	28.4 x 36.3 x 24.1
Weight (kg)	231	462	693
Battery Capacity (Ah)	324	648	972
Total Energy Nominal (kWh)	26.0	52.0	78.1
Battery Technology	Electrovaya EV cell (NMC with ceramic separator for safety)		
Charging Time	1.5 hour fast charge capability*		
Operational Temperature	Discharge: -30°C to 55°C / Charge: 0°C to 55°C Operations at 55°C-60°C allowed for ≤24hrs		
Cycle Life	Up to 14000 cycles **		
WiFi	Enabled for remote monitoring and data logging		
Charger	Compatible with multiple charger vendors; CANBus and WiFi charger control		
Warranty	Up to 10 years		

* May vary depending on the operating conditions

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INFINITY
LITHIUM ION CERAMIC TECHNOLOGY
by **electrovaya**

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