

+ 14Ah Prismatic Pouch Cell

Nanophosphate[®] Lithium-Ion

A123's patented Nanophosphate technology provides this prismatic cell with outstanding cycle life and a very high power output. With a high usable energy range and industry-leading abuse tolerance, this cell delivers excellent performance even under the most rigorous testing. Packaging these light weight cells is easy because of the compact design that's ready for virtually any application.



Applications

- + HEV Heavy Duty Commercial Vehicles
- + HEV Passenger Vehicles
- + Starter Battery

Product Specifications

Cell Dimensions (mm)	7.25 x 160 x 227
Cell Weight (g)	510
Cell Capacity (minimum, Ah)	14
Max Discharge Current (10-second, A)	500
Discharge Power (10-second, W)	1400
Voltage (nominal, V)	3.3
Specific Power (nominal, W/kg)	2700
DCR (10-second, MΩ)	1.3
Cycle Life at 100A Discharge, 100% DOD	>1000
Operating Temperature	-30°C to 55°C
Storage Temperature	-40°C to 60°C

Abuse Test Result

Abuse Test	Result
Nail Penetration	Pass—EUCAR 4
Overcharge	Pass—EUCAR 3
Over-discharge	Pass—EUCAR 3
Thermal Stability	Pass—EUCAR 4
External Short	Pass—EUCAR 3
Crush	Pass—EUCAR 3