

+ 20Ah 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 high power application.



Applications

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

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

Product Specifications

Cell Dimensions (mm)	7.25 x 160 x 227
Cell Weight (g)	496
Cell Capacity (minimum, Ah)	19.5
Energy Content (nominal, Wh)	65
Discharge Power (10-second, W)	1200
Voltage (nominal, V)	3.3
Specific Power (nominal, W/kg)	2400
Specific Energy (nominal, Wh/kg)	131
Energy Density (nominal, Wh/L)	247
Operating Temperature	-30°C to 55°C
Storage Temperature	-40°C to 60°C