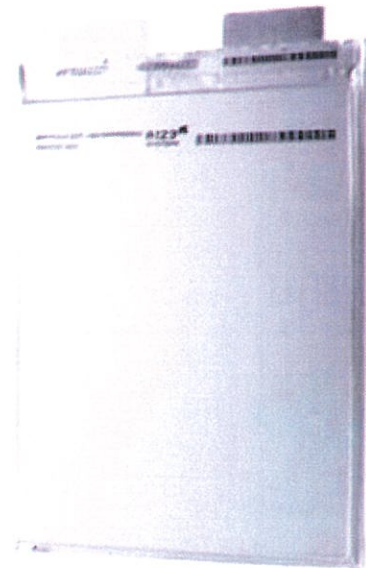


+ Nanophosphate[®] Lithium Ion Prismatic Pouch Cell

AMP20^{M1}HD-A

KEY FEATURES AND BENEFITS

- ♦ High usable energy over a wide state of charge (SOC) range and very low cost per Watt-hour
- ♦ Excellent abuse tolerance and superior calendar and cycle life from A123's patented Nanophosphate[®] lithium ion chemistry
- ♦ High power with over 2,400 W/kg and 4,500 W/L



AMP20 Cell Specifications

Cell Dimensions (mm)	7.25 x 160 x 227
Cell Weight (g)	496
Cell Capacity (minimum, Ah)	19.6
Energy Content (nominal, Wh)	65
Discharge Power (nominal, 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

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

POWER

10s Pulse Power Capability vs State of Charge at 23°C, Using FreedomCAR HPPC

$V_{max} = 3.8V, V_{min} = 1.6V$