

+ 29V / 2.6kWh ENERGY BATTERY MODULE (8s5p) Nanophosphate[®] Lithium Ion



KEY FEATURES AND BENEFITS

- + 20Ah Nanophosphate[®] cells (AMP20M1HD-A)
 - Superior cycle life from A123's patented Nanophosphate[®] lithium ion chemistry
 - Excellent abuse tolerance
- + Monitor and Balance Board (MBB)
 - Continuously measures cell voltages and temperatures
 - Integrated balance circuits that enable equalization of SOC between cell groups
 - Cell overvoltage protection
 - Communicates status via CANBUS
- + Robust, Efficient Design
 - Modular, scalable architecture
 - Compatible with vertical or horizontal mounting
 - Laser welded internal connections for low electrical resistance and high vibration tolerance
 - Integrated module-level fusing
 - Integral aluminum heat sinks with fin face cooling; compatible with liquid or air cooling systems
 - External cooling often not required in EV applications



Sample Image

PRODUCT SPECIFICATIONS

Part Number	520585-XXX
Cell Type	20Ah (AMP20M1HD-A)
Configuration (Series / Parallel)	8s5p
Total Cells	40
Energy – 100% DOD, Nominal (kWh)	2.6
EV Energy – 80% DOD, Nominal (kWh)	2.1
Capacity, Nominal (Ah)	98
Voltage, Maximum (V)	28.8
Voltage, Nominal (V)	26.4
Voltage, Minimum (V)	20.0
Operating Temperature (° C)	-30 to +55
Storage Temperature (° C)	-40 to +60
Mass (kg)	23
Dimensions (mm)	377 x 243 x 167
Orientation	Vertical or Horizontal
UN 38.3 Transportation Certificate	Yes

APPLICATIONS

- + EV and PHEV Commercial Vehicles
- + EV and PHEV Passenger Vehicles
- + Auxiliary Power