



Power

Forklift Lithium-Ion Batteries

83.2V 420Ah

Forklift Lithium-Ion Battery



AMP Power Forklift Lithium-Ion Batteries: Boost Efficiency, Lower Costs, and Drive Sustainability

AMP Power forklift lithium-ion batteries, with outstanding performance and energy-saving technology are the best choice for businesses looking to boost operational efficiency. Compared to traditional lead-acid batteries, AMP lithium-ion batteries charge much faster, supports inbuilt BMS protection and high discharge rate for powerful lifting.

AMP forklift lithium-ion batteries have a longer lifespan, with over 3,500 cycles, extending usage time by up to three times compared to regular batteries. This significantly reduces replacement frequency and lowers long-term costs. Moreover, AMP lithium-ion batteries are environmentally friendly, containing no harmful substances and requiring no water maintenance, offering a completely maintenance-free solution. AMP lithium-ion batteries are the best choice to make your operations more efficient, reduce costs, and take a step toward sustainable development!



High-Rate Cells

High peak discharge rate.



Long Lifespan

Excels in longevity, offering reliable power.



High Safety

Advanced Smart BMS Protection.



Maintenance-free

No maintenance required, No need to replace the battery for several years.



EV Grade-A Cells

Deep Cycles and Low Self Discharge Rate



Warranty

5 Years or 3500 cycles



Power

Forklift Lithium-Ion Batteries

Specifications

Lithium Cell Type	LiFePO4
Nominal Voltage	83.2V
Nominal Capacity	420Ah
Nominal Energy	32.94kWh
Dimensions [L*W*H]	900*736*450 mm
Weight	~280 kg (No Counterweight)
Max Charge Current	200A (Continuous)
Max Discharge Current	300A (Continuous)
Peak Discharge Current	1000A (5S)
Operating Voltage Range	65V~94.9V
Internal Series / Parallels	26S2P
IP Rating	IP67
Cooling	Natural Cooling
Cycle Life	>3500 cycles (DOD 80%)
Charge Temperature	0°C ~ 55°C
Discharge Temperature	-20°C ~ 60°C
Battery Shell	Metal
Communication	RS485, CAN-bus
Battery Monitoring	Cloud Monitoring, 4G
Display	Long Wired LCD Display Screen (Moveable, Wire length: 2m)
Charging Connector Type	Rema 320A (wire length: 1.3m)
Discharging Connector Type	Rema 320A (wire length: 1.3m)
Warranty	5 years or 3500 cycles
BMS Protection	Advanced smart BMS monitoring SOC, system voltage, current, cell voltage, cell temperature, overcharge, overdischarge, overcurrent, overvoltage, low-voltage, overtemperature, short circuit, etc.

Battery Function Subassembly



