



AGV LITHIUM ION SMART BATTERY SYSTEM

Advanced Lithium Battery Solutions for Next Generation AGVs

- + Battery Management System + CANbus capable
- + Heating function optional
- + Integrated safety features
- + 40% reduction in TCO
- + 20% boost in productivity
- + 50% higher run time
- + Increased battery lifespan (over 4x longer life)
- + Opportunity charge preferred
- + Battery Management System + CANbus capable
- + Heating function optional
- + Integrated safety features
- + 40% reduction in TCO
- + 20% boost in productivity
- + 50% higher run time
- + Increased battery lifespan (over 4x longer life)
- + Opportunity charge preferred

More and More

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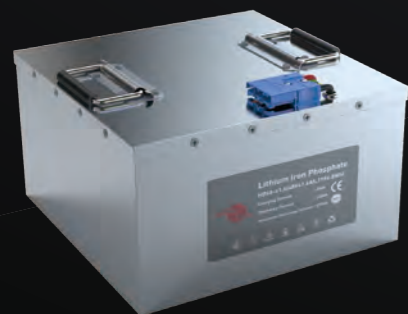
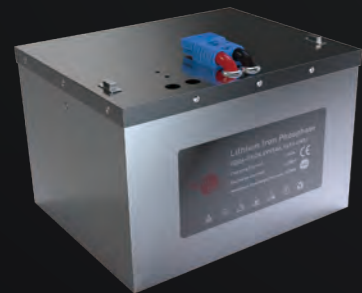


Akkutron's lithium solution for AGV is a comprehensive, self-managed battery system designed to meet the cost, performance, efficiency, and durability requirements of the rugged warehouse environment. It includes application-specific cell chemistry, charge/discharge management, and advanced safety features such as thermal, short circuit, over voltage, and under voltage protection.

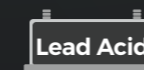


Advantage Features

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Electrical Parameters		
Nominal Voltage	25.2V	46.8V
Rated Capacity	59.8Ah	41.6Ah
Energy	1507KWh	1997KWh
Charge input voltage	29.4±0.2V	54.6±0.2V
Charge current	≤25A	≤40A
Self Discharge	2% per Month	
Inner resistance	≤20mΩ	
Total Weight(kg)	12.5kg	13.87kg
Size (L*W*H)	260*172*232mm	300*300*91.5mm
Humidity	5%≤RH≤85%	
Continuous discharge current	25A	40A
Discharge cut-off voltage	19.6V	39V
Cycle Life	>500cycles @ 100% DOD; >800cycles @ 90% DOD; >1000cycles @ 80% DOD;	
Discharge Temperature	0°C ~ +45°C	
Charge Temperature	-20°C ~ +60°C	
Storage Temperature	0°C ~ 40°C	



Purchases Over 5 Years	Maintenance	Battery Cost	Installation	Shipping	Electricity Waste
	N/A	\$ X5	\$ X2	\$	N/A
	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A
	\$ X3	\$ X4	\$ X2	\$	\$ X3
	\$ X3	\$ X4	\$ X2	\$	\$ X3
	\$ X3	\$ X4	\$ X2	\$	\$ X3



Maintenance Free



Custom Engineered



Environmentally Safe



Plug-and-play Compatibility



Longer Run Time



1-3 Year ROI