

Engineering vehicle
lithium battery series-YY423K



Truck



Sanitation
Truck



Forklift
Truck



Road
Roller

Specifications

Model	YY423K
Cell material	LifePO4
Series & parallel mode	192S3P
Nominal voltage	614.4V
Nominal capacity	690AH (230AH*3P)
Support in parallel	Max.16 clusters (230AH*16P)
Output port	Play and plug connector
Charger port	Dual gun DC fast charge
Size(mm)	2600*2200*1100MM
Weight	4500KG
Charging mode	DC charging pile-CC/CV
Charging current	345A(standard)
Max. Charge current(A)	Max.690A@25°
Charging cut-off voltage	691.2V
Discharge mode	CC/CP
Discharge current	345A
Max. Discharge current(A)	Max.690A@25°
Discharge cut-off voltage	480V
Charging Temp Range(°C)	0~+55°C
Discharging Temp Range(°C)	-20~+65°C
Cooling method	Liquid cooling

Product features



Efficient liquid cooling system

The high-capacity power cell uses a liquid cooling system to maintain the optimal temperature of the battery module. This cooling method is economical, requires minimal maintenance and is suitable for most industrial and commercial environments with moderate climate control needs.



Large capacity reliable power battery cell

Large capacity power cells support high current charging and discharging, high power scenarios, is the ideal solution for high power density, continuous discharge needs. It applies to device operation in multiple scenarios.



Enhanced durability and environmental resistance

The efficient liquid cooling system is built with high-strength corrosion-resistant materials that effectively protect the internal core components, provide dust and water resistance, and ensure stable and reliable performance even in extreme industrial environments such as high vibration, high altitude, etc. Equipped with IP67 protection grade, further enhance durability and extend the service life of the equipment.



Intelligent monitoring and security features

These systems are equipped with advanced monitoring technology to enable real-time remote data monitoring, anomaly alarm, remote upgrade and other key indicators. Safety features such as overvoltage, overcurrent, and temperature control improve operating safety and extend battery life by preventing overheating and other potential hazards.