

Special car lithium battery series-YY645K



Rail transport vehicle



Mining transport vehicle

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.

Specifications

Model	YY645K
Cell material	LifePO4
Series & parallel mode	180S4P
Nominal voltage	576V
Nominal capacity	1120AH (280AH*4P)
Support in parallel	Max.16 clusters (280AH*16P)
Output port	Play and plug connector
Charger port	Dual gun DC fast charge
Size(mm)	4300*1480*1388MM
Weight	6100KG
Charging mode	DC charging pile-CC/CV
Charging current	560A(standard)
Max. Charge current(A)	Max.1120A@25°
Charging cut-off voltage	657V
Discharge mode	CC/CP
Discharge current	560A
Max. Discharge current(A)	Max.1120A@25°
Discharge cut-off voltage	450V
Charging Temp Range(°C)	0~+55°C
Discharging Temp Range(°C)	-20~+65°C
Cooling method	Liquid cooling