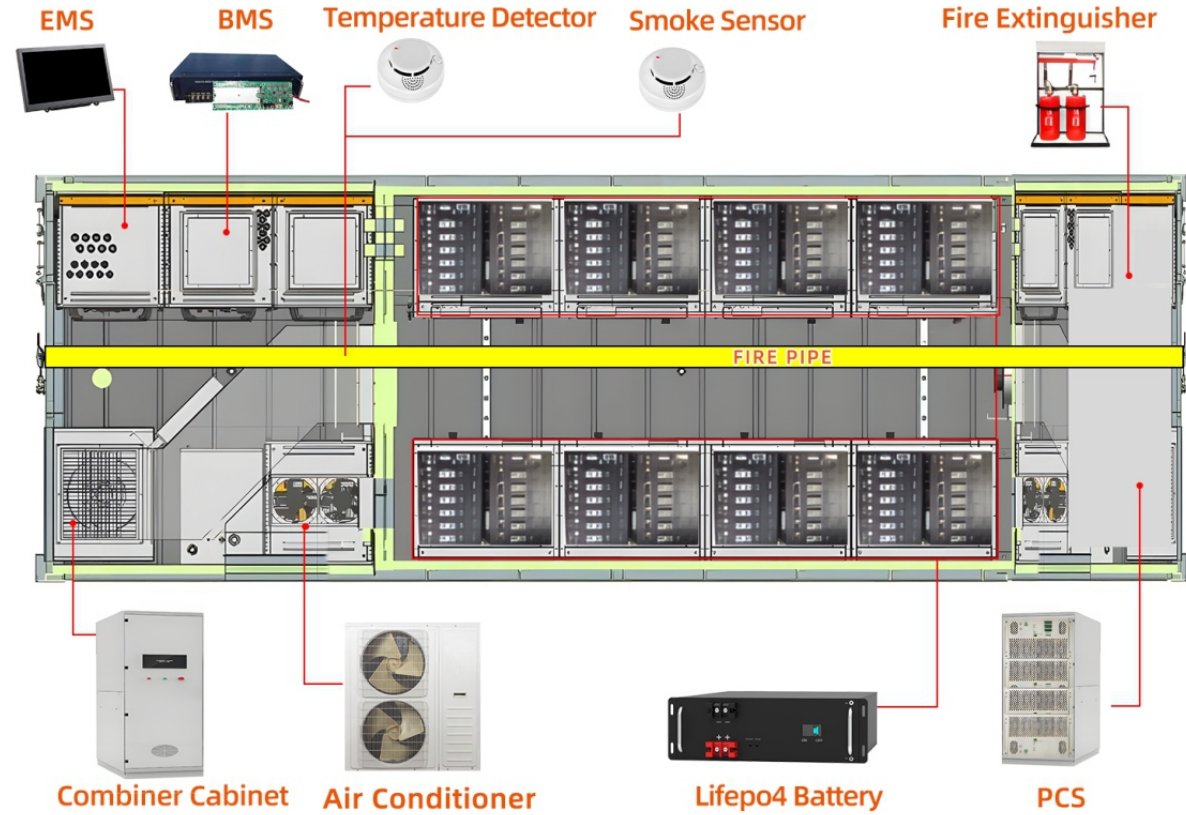




Energy Storage Container -YY5016K

LITHIUM BATTERY ESS CONTAINER 500KW/1MW/2MW



Specifications

Model	YY5016K
Cell material	LifePO4
Series & parallel mode	416S12P
Nominal voltage	1331.2V
Nominal capacity	3768AH (214AH*12P)
Support in parallel	Max.32 clusters (314AH*32P)
Output port	Play and plug connector
Charger port	Dual gun DC fast charge
Size(mm)	6500*2580*3000
Weight	43T
Charging mode	DC charging pile-CC/CV
Charging current	1884A(standard)
Max. Charge current(A)	Max.1884A@25°
Charging cut-off voltage	1497.6V
Discharge mode	CC/CP
Discharge current	1884A
Max. Discharge current(A)	Max.1884A@25°
Discharge cut-off voltage	1164.8V
Charging Temp Range(°C)	0~+55°C
Discharging Temp Range(°C)	-20~+65°C
Cooling method	Liquid cooling

Product features

Efficient liquid cooling system

These storage cabinets use liquid cooling systems to maintain the optimal temperature of the battery modules. This cooling method is economical, requires minimal maintenance and is suitable for most industrial and commercial environments with moderate climate control needs.

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.

Large capacity reliable power supply

Designed for high power applications, the liquid-cooled storage cabinet supports high current fast charge and stable power output, making it the ideal solution for high power density and continuous discharge requirements. It is suitable for energy-intensive operations, dynamic peak load management, and backup power when the grid is unstable.

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.