

# Energy Storage Container-YY5016K



Industrial park



Data center



Photovoltaic plant



Power plant

## 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

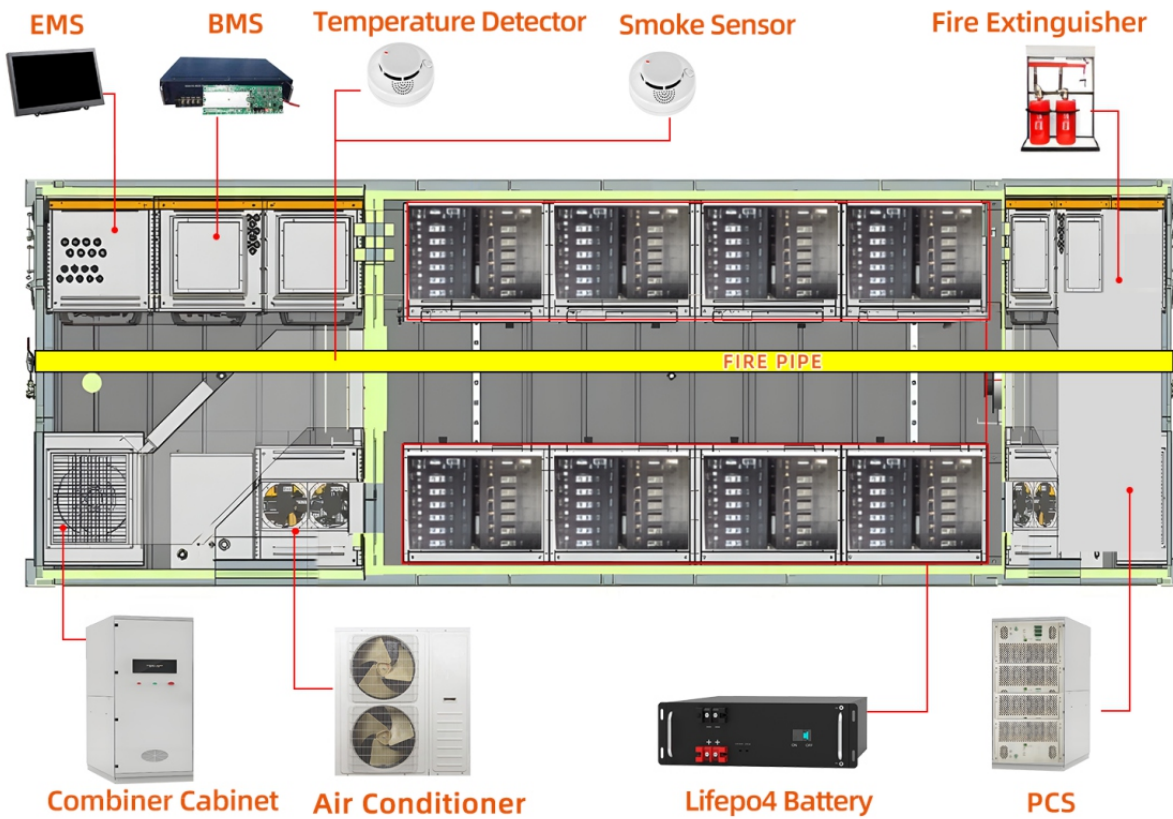
Designed for high power applications, the liquid-cooled storage cabinet supports high current fast charge and stable power output, making it the ideal solution for high power density and continuous discharge requirements. It is suitable for energy-intensive operations, dynamic peak load management, and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

## 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              |