

Utility Battery Container

Z BOX-P 6200 2H

6.25MWh



The Z BOX-P series energy storage containers are primarily deployed in utility-scale projects and offer multiple operation modes including Peak Shaving, Frequency Regulation, Dynamic Capacity Augmentation, and Electricity Market Trading. The Z BOX-P 6200 2H features a 25% higher energy density with 6.25MWh in a 20ft high container, utilizing the latest 587Ah LFP cells for ultra-high capacity and system efficiency.



25% Higher Energy Density
6.25MWh in one 20ft high container



10% Lower Unit Transportation Costs & EPC Costs



587Ah LFP Cell Now in Official Use



Compliant with Various Safety Standards
UL9540A & IEC62933-5-2



Tier 1 PCS-Compatible
2H~8H Long-duration energy storage



Wide Temperature Range
Standard -30°C low-temperature operation



Eco-Friendly & Ultra-Quiet
Minimum average operating noise ≤ 75 dB



IP55
Protection level

Parameters

| Battery Data | |
|-----------------------------------|---|
| Cell Type | LFP 3.2V/587Ah |
| Capacity | 6.250MWh |
| DC Voltage Range | 1081.6V~1497.6V |
| System Configuration | 416S8P |
| Thermal Management System | Smart Liquid Cooling/ Heating for Battery System |
| Fire Detection and Alarm | Fire Alarm Panel, Heat and Smoke Detection, Alarm Bell and Strobe |
| Fire Suppression Options | Aerosol-Based Suppression System. Flooded Fire Protection Systems |
| Noise @1m Distance | ≤ 75dB |
| Pack-Level Fire Protection | Yes |
| General Data | |
| Dimensions of Battery Compartment | 6058*2438*2896mm |
| Weight of Battery Compartment | 48t |
| Operating Temperature Range | -30°C ~ 55°C (>45°C Derating) |
| Relative Humidity | 0%~100% |
| Ingress Protection Rating | IP55 |
| Max.Altitude | 4000m (>2000m Derating) |
| Communication Protocol | Modbus TCP/IEC104/IEC61850 |
| Certification | IEC62619, IEC63056, IEC61000, IEC62477-1, EC62933-5-2, UN3536, UN38.3,UL9540A |