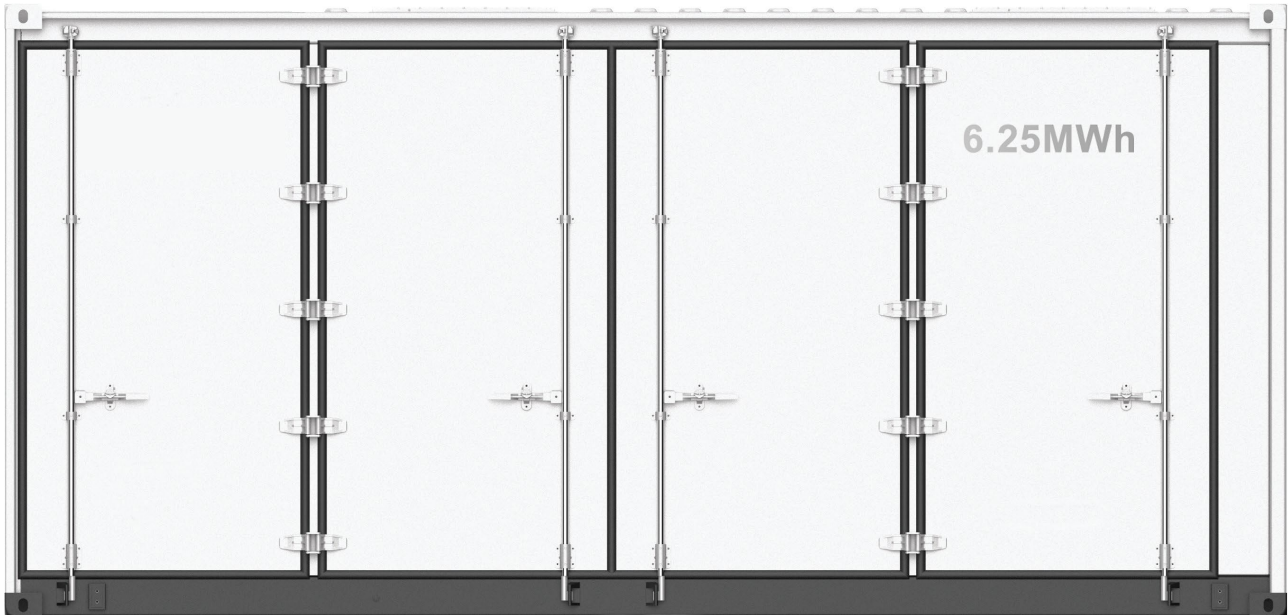


Utility Battery Container

Container ESS utility 6200 kWh

6.250MWh



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

 **587Ah LFP Cell Now in Official Use**

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

 **Eco-Friendly & Ultra-Quiet**
Minimum average operating noise $\leq 75\text{dB}$

 **10% Lower Unit Transportation Costs & EPC Costs**

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

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

 **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