



Z BOX-P 5000-2H **Battery Container**

- High energy density
- Longer lifespan
- Ultra-fast response
- Energy cost saving & revenue optimization
- Safe and reliable
- Intelligent and user-friendly: remote control and time-of-use model

Z BOX-P 5000-2H 5.015MWh

The Z BOX-P series energy storage containers are primarily deployed in utility-scale projects, offer multiple operation modes including Peak Shaving, Frequency Regulation, Dynamic Capacity Augmentation, and Electricity Market Trading etc.

Product Specification Sheet

Battery Data	
Cell type	LFP
Rated capacity	314 Ah
Serial-parallel type	12P416S
Rated capacity per pack	104.499 kWh
Pack number	12*4
System rated energy capacity	5015.96 kWh
Rated DC voltage	1331.2 V
Rated DC voltage range	1164.8~1497.6 V
General Data	
DOD	95%
Noise	≤75dB
Protection degree	IP 55
Cooling method	Liquid cooling/ heating
Fire suppression system	Aerosol+ water fire-fighting + explosion-proof fan (combustible gas)
Operating temperature range	-30 ~ 50 °C (> 45°C derating)
Relative humidity	0% ~ 95% RH
Max.working altitude	3000 m
Display	Web
COM interfaces	RS485/CAN/Ethernet
Dimensions (L*W*H)	6058*2438*2896 mm
Weight	44 T

About ZOE

ZOE Energy Storage is a Tier 1 provider of integrated energy storage products and system solutions. Our flagship ESS- Z BOX series has obtained European most stringent safety and quality certifications, enabling global deployment with proven reliability and technological excellence. Through vertically-integrated expertise spanning R&D, certification, and mass deployment, we provide customers worldwide with optimized ESS solutions balancing safety and cost-effectiveness