



# 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