

Z BOX-C PLUS 261-2H



The Z BOX-C Plus 261-2H is an intelligent all-in-one commercial energy storage system designed to reduce energy costs, support backup power, and optimise energy usage. With advanced liquid cooling, AI-powered monitoring, and built-in safety protection, it delivers efficient, reliable, and flexible energy storage for commercial applications.

Key USP's

- 125kW / 261kWh all-in-one energy storage solution.
- Advanced liquid cooling for higher efficiency and longer battery life.
- Intelligent energy management with remote monitoring capabilities.
- Multi-layer fire protection and thermal runaway detection.
- Flexible applications including peak shaving, backup power, and PV integration.

General

Manufactured	ZOE
Product name	Z BOX-C PLUS 261-2H

AC Output Data (On-grid)

Nominal Output Power(kW)	125
Nominal Output Voltage(V)	400,3L/N/PE
Nominal AC Grid Frequency(Hz)	50/60
Max. AC Output Current(A)	200
Nominal Output Current(A)	180
Power Factor	-1~+1
Max. Total Harmonic Distortion	<3%

Battery data

Module Nominal Energy (kWh)	52.2496
Battery Pack Configuration	1P52S
Number of Packs	5
Rack Nominal Energy(kWh)	261.248
Nominal Voltage(V)	832
Operating Voltage Range(V)	728-936
Max. Charge/Discharge Current(A)	180
Max. Charge/Discharge Power(kW)	138
Cycle	8000

Efficiency

System Efficiency	90%
Ingress Protection Rating	IP55 (Battery Cabinet)
Anti-Corrosion	C4 (C5 Optional)
Fire Suppression	Aerosol /Water

General data

Working Temperature Range(°C)	-30~+55
Derating Temperature(°C)	45
Storage Temperature(°C)	-20~+45(1 month)0~+35(1 year)
Relative Humidity	0~95%
Max. Operating Altitude (m)	3000m(Derating above 2000m)
Cooling Method	Smart Liquid Cooling
Display	Web/LED
Communication Protocol	Modbus TCP
Weight(kg)	2550±50
Dimension(W*H*D mm)	990*2300*1320
Noise Emission(dB)	≤65
Topology	Non-Isolated
Audible and Visual Alarm	Optional
Explosion Venting Function	Standard
Pack-Level Fire Protection	Optional
Fire Water Connection	Standard
Standards&Certification	UL9540A,IEC62933-5-2,IEC 62619,IEC 63056, IEC62477-1,IEC 61000-6-2/-4, UN38.3