



ALL-IN-ONE ESS Cabinet

Z BOX-C PLUS C261-2H

C261L-A-SK 125kW/261kWh | 0.5C

Key Features

- Liquid-cooling system, features a long battery cycle life, and high system efficiency.
- All-in-one compact design with higher energy density, easy installation and transportation.
- Wide-temperature operation (-30°C to 55°C). Capable of reliable cold-start and operation in arctic conditions
- Multi-layer safety, explosion protection and multi-dimensional thermal runaway early warning with acoustic & visual alarm and fire extinguishing system
- Low-noise and environmental-friendly: ≤70 dB
- Intelligent O&M and multi-level electrical protection in the system, cloud-edge integrated design with convenient remote maintenance

All-Scenario Application



Frequency Regulation



Peak Shaving



PV+Storage+Charging

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.

Data Sheet

Battery Data	
Module Nominal Energy(kWh)	52.2496
Battery pack configuration	1P5S
Number of Packs	5
Rack Nominal Energy(kWh)	261.248
Nominal Voltage(V)	832
Operating Voltage Range(V)	670-949
Max. charge/discharge current(A)	188
Max. charge/discharge Power(kW)	137.5
Cycle	8000 @25°C ±2°C ,0.5C,95%DOD,70%EOL
AC Output Data(On-grid)	
Nominal Output Power(kW)	125
Nominal Apparent Power(kVA)	125
Nominal Apparent Power Output to Utility Grid(kVA)	137.5
Nominal Apparent Power from Utility Grid(kVA)	125
Max. Apparent Power(kVA)	137.5
Nominal Output Voltage(V)	400,3L/N/PE
Output Voltage Range(V)	340-440
Nominal AC Grid Frequency(Hz)	50/60
Max. AC Output Current(A)	198.5
Max. output short-circuit current(A)	360
Max. AC Output Current(A)	198.5
Nominal Output Current(A)	180.4
Power Factor	-1~+1
Max. Total Harmonic Distortion	<2%
Efficiency	
System Efficiency	89%
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)	4000(>2000 derating)
Cooling Method	Smart Liquid Cooling
User Interface	WLAN+APP
Communication Method	WiFi/LAN
Communication Protocol	Modbus TCP
Weight(kg)	2560
Dimension(W×H×D mm)	990*2300*1320
Noise Emission(dB)	≤70
Topology	Non-isolated
Audible and visual alarm	Optional
Explosion venting function	Standard
Diesel generator communication interface	Standard