

C&I Hybrid Cabinet

Z BOX-C PLUS 261 Hybrid



The Z BOX-C PLUS 261 Hybrid is an integrated liquid-cooled PV-plus energy storage cabinet that combines lithium battery modules, a fire suppression system (FSS), and an embedded EMS into a single compact unit. Its integrated design simplifies system architecture and installation, while the modular structure allows flexible capacity expansion as project requirements grow. When used with a hybrid inverter and intelligent energy management, the cabinet supports multiple operating modes, enabling efficient coordination between PV generation, energy storage, and load demand.



Higher Space Utilization

1.4m² Footprint, larger capacity per cabinet, saving space and site cost.



Versatile

Support multiple brands of hybrid inverter, with higher selectivity.



Safe & Reliable

IP55, optimized ventilation design, temperature difference within 3°C.



High PV Utilization Capability

Supports up to 250 kW PV input with wide MPPT voltage range for flexible PV system design.



Expandable & Modular

Easy modular design supports parallel connection for convenient system expansion.



Simplified System

Sufficient power for most C&I applications, reducing parallel inverters.

Parameters

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	
Pack 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 Round Trip Efficiency	up to 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
Grid Code	EN50549-1/2/10, G99/G100, VDE-AR-N 4105/4110/4120, AS4777 etc.