

# Z BOX-C PLUS 261



The Z BOX-C PLUS 261 is a high-performance, all-in-one liquid-cooled energy storage solution. When paired with a hybrid inverter and intelligent energy management, the system optimizes the interaction between solar PV generation, battery storage, and site loads, delivering maximum efficiency, reliability, and operational flexibility for commercial and industrial applications.

## Key USP's

- Battery storage, fire protection, and intelligent energy management in a single cabinet.
- High-capacity energy storage with a compact footprint, reducing installation space and costs.
- Easily expand capacity with additional cabinets as your energy needs grow.
- Compatible with a wide range of leading hybrid inverter brands.
- Supports up to 250 kW of PV input for greater solar energy capture and flexibility.
- Built-in EMS monitors, optimizes, and manages energy flows in real time.

## General

|              |                  |
|--------------|------------------|
| Manufactured | ZOE              |
| Product name | Z BOX-C PLUS 261 |

## Battery parameters

|                            |                 |
|----------------------------|-----------------|
| Cell Type                  | LFP / 314 Ah    |
| Pack Configuration         | 52.25kWh/IP52S  |
| System Configuration       | 261kWh/IP260S   |
| Rated DC Voltage           | 832V            |
| DC Voltage Range           | 728-936V        |
| Max. Charge/Discharge Rate | 0.5P            |
| Max. Depth of Discharge    | 100% (25 ± 2°C) |
| Cycle Life                 | ≥8,000          |

## PV input

|                    |            |
|--------------------|------------|
| Max PV Input Power | 150-250kW  |
| PV Voltage Range   | 150 ~ 950V |
| MPPT               | 10         |
| MAX. Input Current | 42A*10     |

## AC side

|                    |                   |
|--------------------|-------------------|
| Rated Output Power | 75kW ~ 125kW      |
| Rated AC Voltage   | 415V              |
| AC Voltage Range   | ±15%              |
| Grid Type          | 3W+N+PE           |
| Rated Frequency    | 50Hz / 60Hz       |
| Power Factor       | 0.99/ -0.8 ~ +0.8 |
| THDi               | ≤ 3%              |
| DC Ratio           | < 0.5%/pn         |

## General

|                            |  |
|----------------------------|--|
| Max. Round Trip Efficiency | 90%  |
| Communication              | Modbus TCP/IP  |
| Fire Suppression System    | Aerosol  |
| Ingress Rating             | IP55   |
| Cooling                    | Liquid Cooling + Forced Air Cooling                        |
| Operating Temperature      | -30°C ~ 55°C (Derating after 45°C)                         |
| Anticorrosion Rating       | C4 (C5 Optional)   |
| Humidity                   | 0~95% RH (Non-Condensing)                                  |
| Altitude                   | 3000m (Derating above 2000m)                               |
| Dimensions (W*D*H)         | 1,050*1,350*2,400mm  |
| Weight                     | 2,600kg  |
| Safety/EMC                 | UN38.3, IEC62619, IEC63056, IEC62477-1, IEC61000-6-2/4     |
| Grid Code                  | EN50549-1/-10, EN50549-2/-10, G99, VDE4105, NRS097, C10/11 |