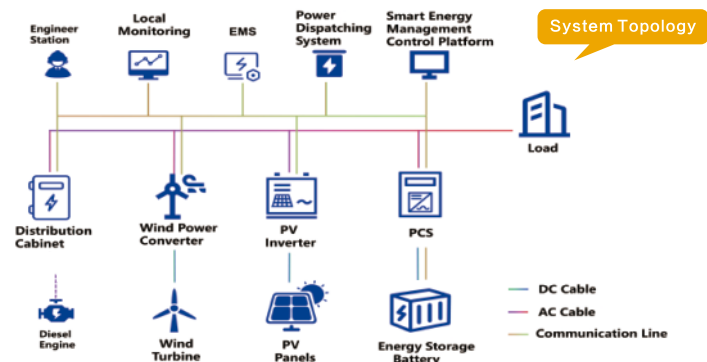


INNOVATED EXTRAORDINARY MICRO-GRID SOLUTIONS

Solution Overview

- Smart microgrid is a small power generation and distribution system composed of distributed power sources, energy storage devices, energy conversion devices, related loads and monitoring and protection devices.
- It can be connected to the external power grid or operated in isolation. It is suitable for industrial parks, urban areas, large enterprises, rural areas, islands and other scenarios.



WHAT INNOVATION

SEMI SOLID LFP CELLS ESS BATTERY

Employing a new type of nano-scale solid-state electrolyte, the battery safety has been significantly improved.

The world's first 314Ah battery which can pass 5mm nail penetration test without smoking.

No thermal runaway under 1mΩ short circuit.



Liquid Cooling Unit

- Liquid cooling system
- Decrease battery temperature
- Increase battery lifespan

PCS

- Operate between 600-1000V Voltage
- Achieve high efficiency, up to 99%
- Off-grid parallel capability

Semi Solid State LFP Cells

- Impressive Safety: Thermal runaway temperature > 120°C, no fire, no explosion
- Long cycle life: ≥ 6000 times
- Multiple application scenarios: ESS, Commercial Vehicle, Marine

Product Features



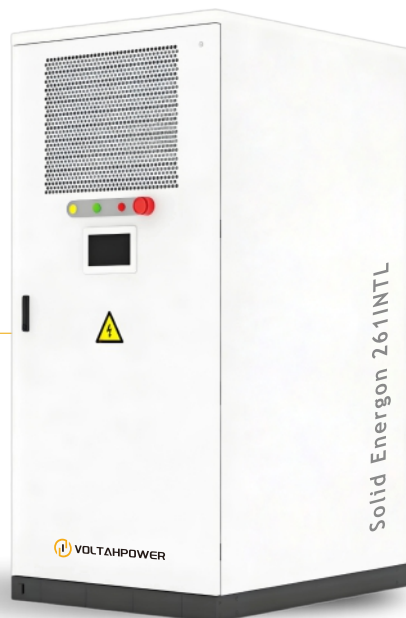
Inherently Safe

- ai intelligent early warning;
- three-dimensional fire protection with multiple safeguards;
- detection, prevention, venting, and extinguishing.



Smart and Efficient

- high-efficiency energy conversion, maximum efficiency 90%;
- plug and play, side-by-side installation, up to 10 units in parallel;
- reserved for various handling and installation interfaces, efficient deployment.



Commercial & industrial, micro grid.



Data center.



Frequency regulation and peak shaving.



Long-lasting Service

- using advanced self-evolving algorithm, system temperature difference $\leq 5^{\circ}\text{C}$;
- fearless of extreme environments such as severe cold, high salt spray, high temperature, high wind and sand.



Smart Operation

- cloud web/app real-time monitoring, AI algorithm optimization
- strategy, expanding profit;
- near-field, remote wireless control, one-click upgrade, fingertip scheduling, remote o&m.

Model	261INTL
DC Side	
Battery Type	Semi Solid State LFP 314
Configuration	1P260S
Rated Energy (kWh)	261
Rated Voltage (Vdc)	832
Operating Voltage Range (Vdc)	712-925
AC Side	
Rated AC Power (kW)	125
Rated AC Voltage (Vac)	400 $\pm$ 15%
Adjustable Range of Reactive Power	-1% ~ +1%
Rated Frequency (Hz)	50/60
Maximum Efficiency	90%
General Parameters	
Dimensions (W*D*H)	1100*1400*2350mm ($\pm$ 5mm)
Weight (kg)	2600 $\pm$ 15
IP Rating	IP55
Operating Humidity	5%RH ~95%RH (non-condensing)
Altitude (m)	$\leq$ 2000
Communication Mode	RS485、LAN、4G
Cooling Method	Smart Liquid Cooling
Fire Suppression System	Temperature sensing, smoke sensing, combustible gas detection, cabin level aerosols (thermosensitive starting), ventilation system, water fire protection
Certifications	UN38.3, IEC 62619, IEC 63056, IEC 60730-1, IEC61000, IEC62477, IEC62109, TUV AK, CE