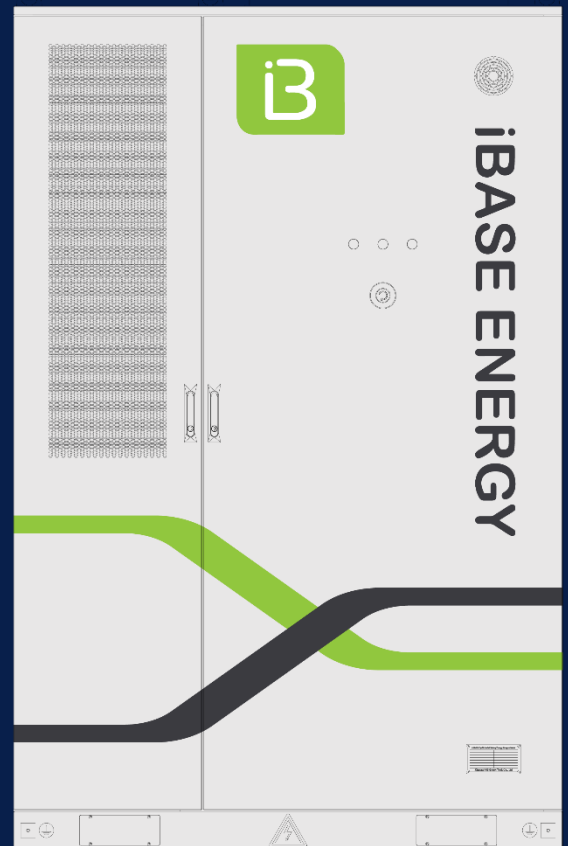


IBE - 836D

NEXT-GEN ENERGY ENGINE
FOR INDUSTRY AND
COMMERCE



Optimized Design

- Every cabinet is equipped with a dehumidifier and a full suite of sensors for temperature, flammable gas, and more.
- Standardized modules with compartmentalized design deliver unified O&M at the cabinet level.
- Comprehensive fire safety with multi-layer redundancy: front aerosol suppression, rear water connection, and top explosion venting.



Flexible Deployment

- Compact footprint—fits 90% of urban and rural road transport.
- Occupies 50% less land area, maximizing space efficiency.
- Crane- and forklift-compatible for faster, lower-cost installation.
- Scalable deployment: 10 cabinets in parallel deliver 8.36MWh of energy.



Integrated Safety

- Triple-layer active protection: Early Warning, Explosion Prevention, and Fire Suppression.
- Premium cells with integrated system design ensure superior reliability and efficiency.
- “3S” collaborative control connects every stage, protecting performance throughout the lifecycle.



Intelligent Operations

- Smarter Management, Longer LifeReal-time system data with both remote and on-site visibility.
- Precision liquid cooling keeps cells balanced, extending service life.
- Cabinet-level intelligent balancing boosts charge/discharge efficiency.
- Modular lifecycle O&M for simplified, worry-free operation.



Battery System Parameters

Cell Type	LFP
Cell Capacity	3.2V/314Ah
Configuration	2P416S
Number of Battery Packs	8
Rate Power	836kWh
Rated Voltage	1331.2 Vdc
Battery voltage range	1060.8 Vdc ~ 1497.6 Vdc
Chage/discharge rate	0.5P
Operating Temperature	-20°C~55°C
Storage Temperature	-20°C~35°C
Operating humidity	0%RH ~ 95%RH (No condensation)
Thermal management methods	Liquid cooling

MECHANICAL PARAMETER

Dimensions (W*D*H)	1500 mm * 2400 mm * 2372mm
Total Weight	≤ 8000Kg
Installation mode	install on the ground
System protection level	IP54 (electrical cabin) IP55 (battery cabin) IP67 (battery pack)
Corrosion Protection	C4 / C5
Monitoring & Alarms	Smoke / Temperature / Water immersion sensors
Altitude	4000m(>2000m derating)
Certification	UN38.3/IEC62619/IEC61000/ IEC60730/IEC62477

