

Gotion EDGE 760

Lithium-Ion Battery Outdoor Cabinet for C&I



Advantages of Products

High Safety

- Cabinet-to-cabinet fire resistance
- Cabinet body : fire resistance rating of 1.5hours
- Temp and smoke sensors+aerosol and water fire protection system

Flexible Integration

- Prefabricated cabinets,simplified on-site installation
- Adapt to size of 20ft and 40ft standard container
- Supports parallel connection and system expansion

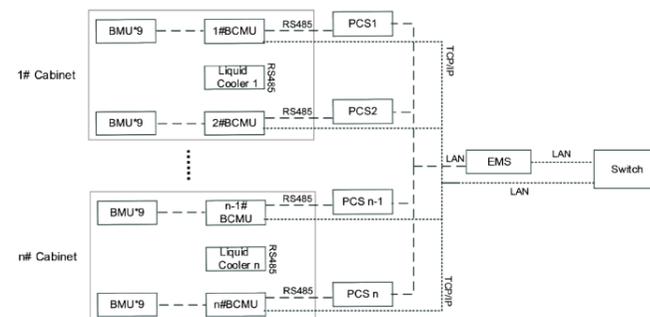
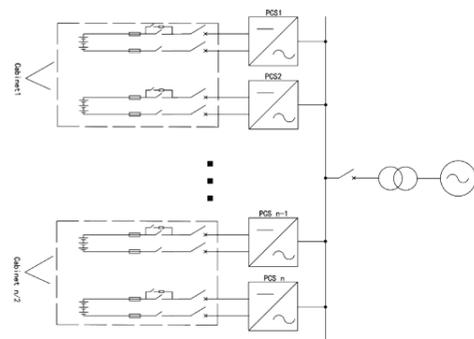
Multiple Scenarios

- Urban buildings,communities
- Low-voltage area network
- Highly integrated liquid-cooled C&I ESS

Smart and User-Friendly

- Supports parallel and offline mode
- Early fault warning and location
- Real-time monitoring and fault logging

Architecture Diagram



Model ESD1267-05P760-G

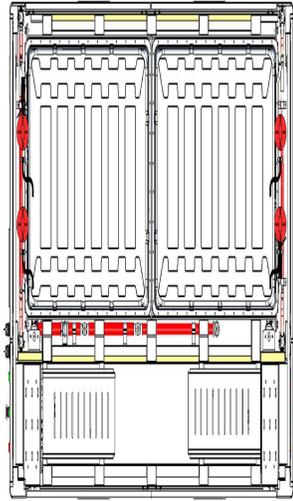
Electrical	
Cell Type	LFP-300Ah
Configuration	Pack: 1P44S Rack: 1P396S System: 2P396S
Cycle Life	Cell: ≥8000 0.5P, @25°C±3°C
Nominal Energy (kWh)(0.5P@25°C)	Pack: 42.2 Rack: 380 System: 760
Rated Voltage (Vdc)	Pack: 140.8 Rack/System: 1267.2
Voltage Range (Vdc)	Pack: 123.2~158.4 Rack/System: 1069.2~1425.6
Charge/Discharge Rate	0.5P@25°C
Max. Charge Power(kW)	380 (0.5P)
Conditions	
Storage Temperature(°C)	-30~60
Working Temperature(°C)	-20~50
Working Relative Humidity(%)	0~95 (non-condensing)
Altitude (m)	< 3000 (≥3000 derating)
Parameters	
Ingress Protection	IP55
Cooling Mode	Liquid-Cooling
Communication Interface	CAN, RS485, Ethernet
Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, IEC104
Fire Suppression System	Aerosol/Water
Standards&Certification	UN38.3, UL1973, UL9540A, UL9540, IEC62619, IEC60356, IEC61000, IEC60730, IEC62477, NFPA855 Compliant
Dimensions(T * W * H)mm	1400 x 2400 x 2500
Weight (T)	≈8

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EDGE 760 – System Configurations



High-voltage box

Battery Racks

Chiller

Parameters	ESD1267-05P760-G
Nameplate Energy	760 kWh
Cell Type	300Ah
Configuration	1P44S * 9S * 2P
Nominal Voltage	1267.2 V
Operating Voltage Range	1069.2-1425.6Vdc
Exterior Dimension (W*D*H)	1400 x 2400 x 2500mm
Weight	~7,000kg
Operating Temperature Range	
Thermal Management	Liquid cooling
IP rating / Humidity / Altitude	IP 55 / 0-95% / <3,000*m
Certifications	UL 1973, UL 9540/A, UN 38.3



High Security: Back-to-back design, independent fire zone, and cabinet meets a fire resistance limit of 1.5 hours.



Modular Design: Supports parallel connection, adapts to 20 foot and 40 foot container solutions, covers an area of 3.3m², and can be forked and lifted.



Intelligent: Supports connection with centralized PCS or string PCS and includes support for offline mode.

