

# Gotion EDGE 160/220

## C&I All-In-One Outdoor Cabinet



The S150 and S200 energy storage outdoor cabinet series adopts a modular system configuration and available in two variants: Economic and Standard. This series provides load shifting and peak shaving function for commercial customers, reducing demand charges and alleviates grid supply pressures.

- **The Economic product** provides higher energy density in a compact format.
- **The Standard product** provides excellent adaptability for different energy and power demands and allows flexible configuration.

### Advantages of Products

#### Safety and Strong Adaptability

- Perfluorohexanone fully immersed fireproofing
- Wide battery operating temperature range
- Available in wide variety of application environments

#### Comprehensive Protection

- Supports Modbus-TCP for network port communication
- Creating a three-level protection and control strategy for the lithium battery BMS
- Real-time BMS detection to protect the battery system

#### Flexible Switching

- Supports dual circuit redundant power supply, with priority on grid AC power
- Seamless switching from AC to DC in case of grid power loss

#### Intelligent and User-Friendly

- Software availability >99%
- Supports remote software upgrades
- Supports Unattended remote O&M

Model	ESD832-05P160	ESD768-05P220
<b>Electrical</b>		
Cell Type	LFP-96Ah	
Grouping Mode	2P20S ×13	3P16S ×15
Charge/Discharge Rate	0.5P@25°C	
Nominal Energy (kWh)	160	220
Usable Energy (kWh)	150	200
Voltage Range (V)	728~936	672~864
<b>AC Side</b>		
Rated Power(kW)	75 (provide short-term 100kW power support )	100
Maximum Conversion Efficiency(%)	98.4	98
Total Harmonic Distortion Ratio (THD)(%)	<3	
<b>System Parameters</b>		
Working Temp Range(°C)	-20~45	
Anti-corrosion Grade	C3-M (higher standards can be customized)	
Working Humidity Range(%)	0~95(non-condensing)	
Cooling Mode	Air-Cooling	
Altitude(m)	<3000(≥3000 derating)	
Maximum System Efficiency(%)	91	
System Cycle Life	≥8000, 0.5C@25°C, 100%DOD	
Fire Suppression System	HFC-227ea / Perfluorohexane	
Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, IEC104	
Certification	IEC62619, IEC61000, UL1973, UL9540A, UN38.3	
Ingress Protection	IP54	
Dimension(W * D * H)mm	1000 *1100 *2400	1500*1250*2400
Weight (T)	2.0	2.4

### Gotion High-Tech Co., Ltd.

en.gotion.com.cn  
Email:sales@gotion.com