



Model: ESC-R100-211

The **ESC-R100-211** series is an all-in-one, high-energy-density storage system for C&I applications—including capacity expansion, data centers, industrial parks, commercial buildings, heavy industry, and EV-charging stations.



Proven Safety & Protection

- High-cycle cells with IP67 battery packs and IP55-rated cabinets
- 1.5-hour fire resistance with multi-level electrical protection
- Supports localized pack-level fire suppression



Think Intelligent, Switch Seamlessly

- In-house EMS enables real-time control and thermal optimization
- Liquid-cooled design with fast grid/off-grid switchover



Small Footprint, Big Flexibility

- Compact modular system reduces land use
- Plug-and-play setup supports scalable expansion
- Forklift- and crane-compatible for easy transport

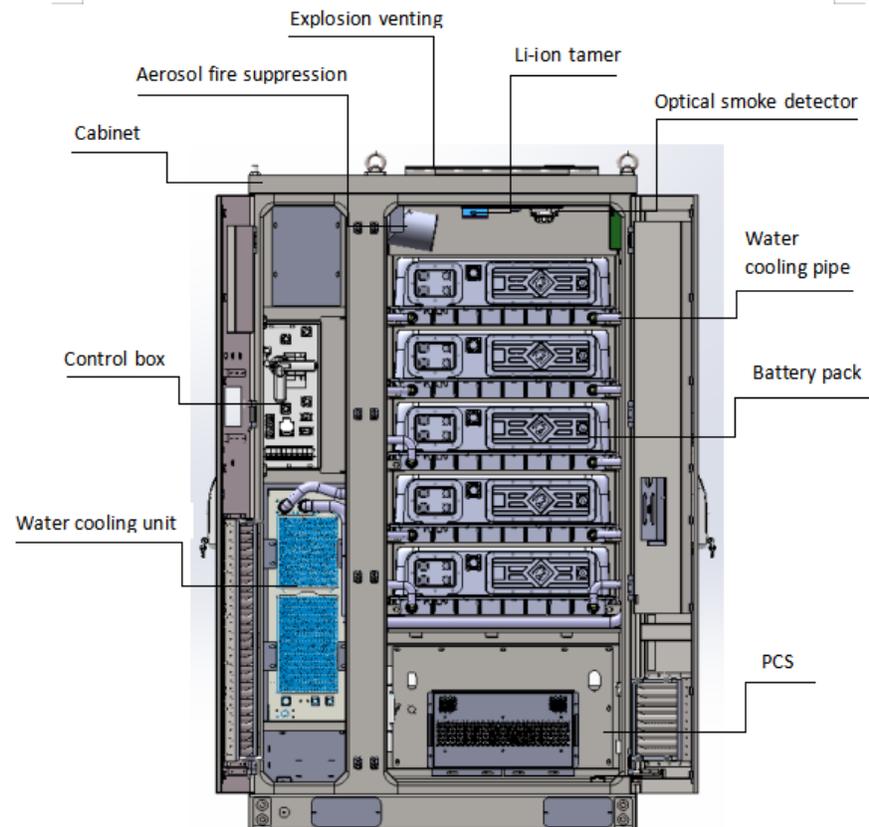


Stay Ahead with Remote Monitoring

- Cloud-edge coordination with real-time alerts and diagnostics
- Remote software updates reduce service time and site visits

System Parameters	
DC Side Voltage Range	600~803Vdc
Output Voltage	400V@AC
System Configuration	1P220S
Rated Power	100kW
PCS Power	100kW
Nominal Energy Capacity	211kWh
Dimensions (L*W*H).	1340*1300*2300mm
Weight	2600KG
Ingress Protection	IP55
Operating Temperature	-20°C~50°C (derating required at above 45°C)
Operating Humidity	≤95% (non-condensing).
Operating Altitude	≤3000m (derating required at above 2000m)
Cooling Method	PCS air cooling + battery pack liquid cooling
Fire Protection System	Aerosol FSS
System Communication Prot	4G、RS485、Ethernet
System Communication Protocol	MODBUS/MQTT (supporting protocol customization)
Battery Cell Parameters	
Rated Capacity	300Ah
Rated Energy	960Wh
Dimensions	81.2x175.4x202.6mm
Battery Pack Parameters	

Gotion All-in-One 211kWh – System Components



211kWh System Components	
LFP Battery Pack	5 units
BMS	1 set
Fire protection system	1 set
Thermal Management System (Liquid-cooling)	1 set, 5kW
Enclosure	1 set
PCS	1 set, 100kW
HVDC Control Box	1 set
EMS	1 set