

Gotion GRID 5MWh



≥5MWh

High Energy Density

Triple-Layer Protection

Robust Safety

20ft

Plug-and-Play Logistics

≤3°C

Smart Climate Control

Product Strengths



Built-In Safety from Cell to System

- Pack-level immersion suppression, total-flooding gas extinguishing, and water spray protection
- Cell-level temperature monitoring and thermal isolation for thermal event control



More Energy, Less Footprint

- 5.015 MWh per container with 45% higher energy density
- A/B single-door design optimizes space and enables modular deployment



Cooled for Longevity

- Optimized liquid cooling with variable-diameter piping for balanced heat dissipation
- Extends system lifespan through intelligent thermal control



Flexible Layout, Scalable Impact

- Flexible configuration of primary, secondary, and power systems
- Modular containers reduce land use by 35% in 100 MWh projects

Gotion GRID 5068/5015

Liquid Cooling Energy Storage System III



5068kWh
High Energy

12000cycles
Long Life Span

4-Layer Protection
High Safety

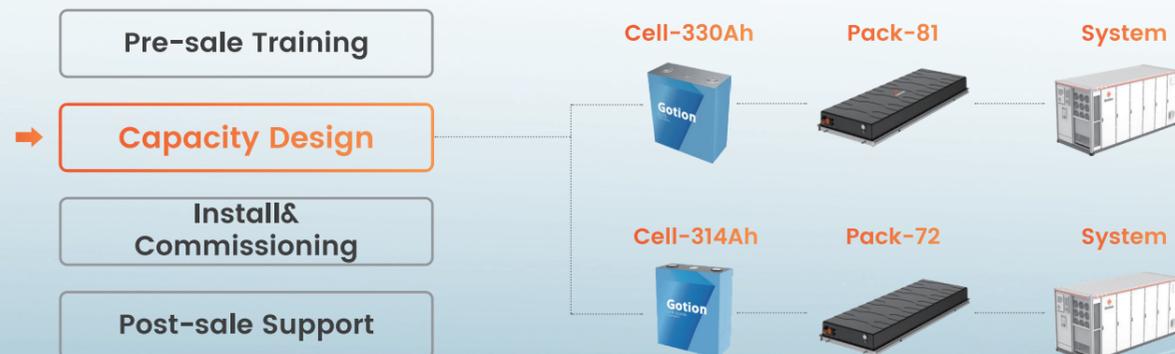
20ft
Standardization

3 °C
Intelligent Temperature Control

33%
Occupied Area Saved

- ✓ High System Energy Density
- ✓ Optional Battery Container
- ✓ High Space Utilization
- ✓ BMS Integrated Development
- ✓ Low Cost & Less Covering Area

ESS Product Solution



Model	ESD1280-05P5068	ESD1331-05P5015
-------	-----------------	-----------------

Electrical

Cell Type	LFP-330Ah	LFP-314Ah
Pack Configuration	1P100S	1P104S
Nominal Energy(kWh)	5068	5015
Voltage Range (Vdc)	1000-1460	1040-1497.6
Rated Voltage(Vdc)	1280	1331

Conditions

Storage Temperature(°C)	-30~60
Working Temperature(°C)	-30~50
Working Relative Humidity(%)	0~95 (non-condensing)
Altitude (m)	<3000 (≥3000 derating)

Parameters

Ingress Protection	IP55
Thermal Management	Liquid-cooled Temperature Control + Air-Cooled (Liquid cooler built-in system)
Communication Interface	CAN, RS485, Ethernet
Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, IEC104
Fire Suppression System	Explosion-proof + Smoke extraction + PACK-level submerged fire extinguishing + Gas extinguishing system + Water sprinkler system
Standards&Certification* (Ongoing)	GB/T36276, UL1973, UL9540, UL9540A, UN38.3, UN3536, IEC62477, IEC60730, IEC61000, IEC62619, NFPA855 Compliant
Dimensions (W * D * H)mm	6058 x 2438 x 2896 (20ft Container)
Weight (T)	≈43

Gotion High-Tech Co., Ltd.

en.gotion.com.cn

Email:sales@gotion.com

© 2024 Gotion High-Tech Co., Ltd. All rights reserved. Partial certifications are in progress. Version1.0