

ReeYue

GR5000L



MSDS



UN38.3



Features



**Safe and
Reliable**



**Intelligent and
Easy to Use**



**Efficient and
Flexible**

- Smart liquid cooling system for efficient heat dissipation
- IP54 and C4 anti-corrosion design
- Three levels fire suppression mechanism
- Early-warning to battery cell base on Intelligent algorithm
- Battery capacity and discharge time prediction
- Cloud O&M, fast fault analysis and handling
- Pre-commissioning, with excessive site work
- The integrated design of the DC cabin
- Millisecond dynamic response

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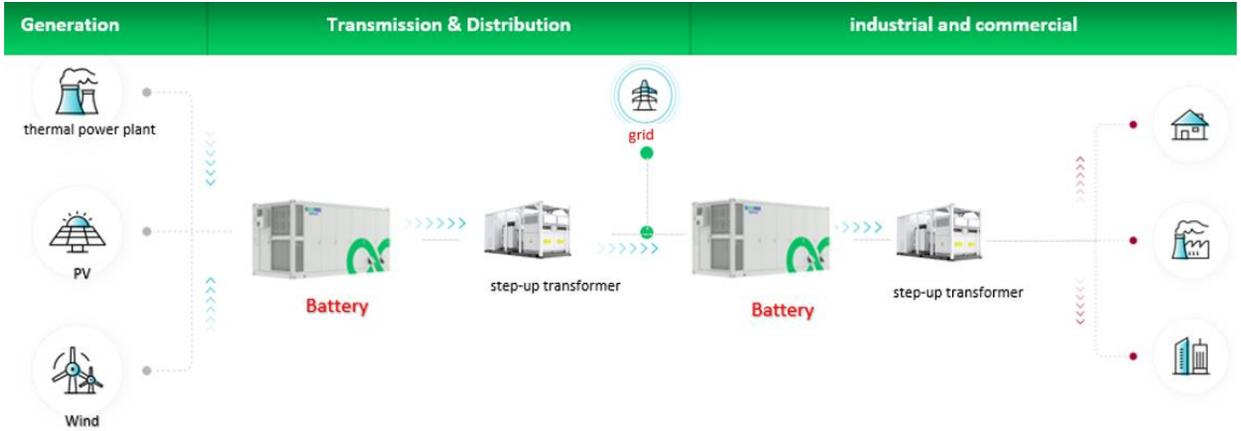
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Applications of ESS

ESS (Energy Storage System) provides solutions for the application of the entire power supply system, including photovoltaic, wind power, thermal power, peak load and frequency regulation.



Specification Parameters

Model	ReeYue GR5000L
DC Side	
Cell type	LFP/314Ah
Battery capacity (BOL)	5015.96kWh
Rated voltage	1331.2V
Battery voltage range	1123.2~1497.6V
System configuration	416S1P×12
Weight	<43T
Demension(W×H×D)	6058×2896×2438mm
Rated charge/discharge power	0.5P
Max System Efficiency	94%
Cycle performance	≥6000 cycles; @25±2°C,0.5P,SOH≥80%
Fire suppression system	FK5112 (Support PACK level)+flammable gas detection + exhaust + Water Sprinkler System
Cooling concept	Liquid cooling
Operating ambient temperature range	-20~55°C
Operating altitude	2,000m (When the altitude is between 2000-4000m, the output of the system will be de-rated.)
IP rating	IP54
Communication Protocol	Modbus TCP / Modbus RTU / CAN 2.0
Communication Interface	Ethernet/RS485/CAN/Domestic 4G
Remote monitoring	Cloud EMS, mobile APP
Certifications	UN3536、UN38.3、IEC62619、UL9540A
Application scenarios	Utility, C&I energy storage