

GR261L



MSDS



UN38.3



Features



Ultimate Reliable

- Optional semi-solid batteries, 80% lower thermal risk
- Compliant with international standard certification
- High protection up to IP55 and C4H anti-corrosion level
- Multi-level fire protection and battery protection



Maximum Efficiency

- Smart liquid cooling system for efficient dissipation
- Automatic optimal EMS strategy control for best efficiency
- Self-developed BMS and EMS, project-level customization
- Integrate artificial intelligence algorithms



Infinite Flexibility

- All-in-one design, plug-and-play, 50% faster deployment
- Scalable parallel support for multiple systems
- Cloud O&M, fast fault analysis and handling
- Application Scenario: on-grid, and other modes

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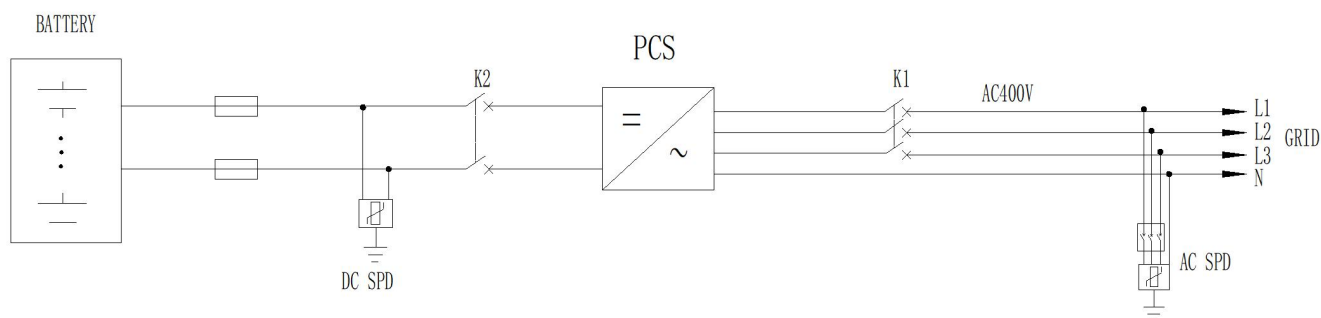


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Electrical Diagram



Specification Parameters

Model	GR261L
DC Side	
Cell type	LFP / 314Ah (Optional Semi-Solid)
Battery capacity (BOL)	261.24 kWh
System configuration	(52SIP) 5S * 1
Rated DC voltage	832 V
DC voltage range	702 ~ 949 V
Charge/discharge rate	≤0.5P
Cooling Method	Liquid cooling
AC Side	
Rated AC power	130 kW / 125 kW / 124.9 kW / 100kW / 99.9 kW (Optional)
Rated AC voltage	400 V
Rated frequency	50 / 60 Hz
AC connection	3P + N + PE
System Parameter	
Demension(W*H*D)	1100 * 2519 * 1500 mm
Weight	≤ 2500 kg
Cycle performance	≥ 6000 cycles; @ 25 ± 2 °C, 0.5P, SOH ≥ 80%
System Efficiency	≥ 89% (Including subsidiary Power Consumption)
Fire suppression system	Aerosol / NOVEC1230 / FM200 (Support PACK level) + Flammable Gas Detection + Exhaust + Water Sprinkler System
Operating ambient temperature range	-30~55°C (-30~-20°C with Heater)
Max operating altitude	4,000m (de-rate between 2000-4000m.)
Max IP rating	IP55
Communication Protocol	Modbus / IEC60870-5-104 / 4G (MQTT)
Remote monitoring	Cloud EMS, Mobile APP
Certifications	IEC62619, IEC62477, IEC61000, EN50549, UN38.3
Application scenarios	Industrial and commercial energy storage, back-up power supply, store and trade energy, manage energy sources and tariffs, increase self-sufficiency