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 Eficiency

➤ 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

➤ Multi-Scene Use: on-grid, off-grid and other modes

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Electrical Diagram
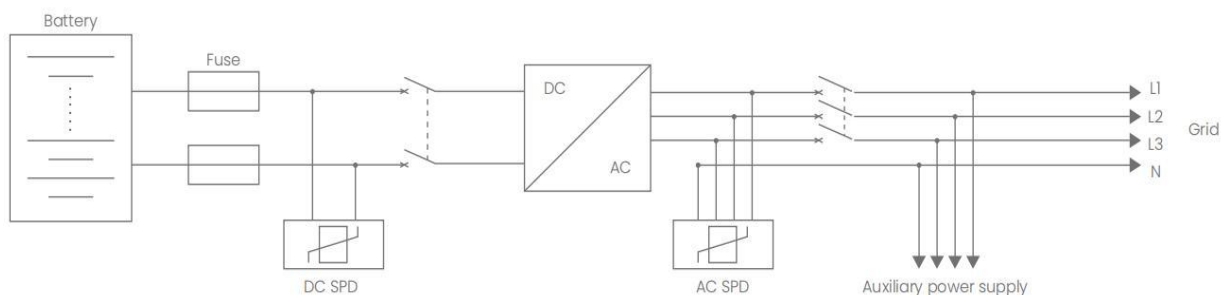
Specification Parameters

Model	GR261L
DC Side	
Cell type	LFP / 314Ah (Optional Semi−Solid)
Battery capacity (BOL)	261.24 kWh
System configuration	(52S1P) 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 Paremrter	
Demension(W*H*D)	1100 * 2519 * 1500 mm
Weight	≤ 2500 kg
Cycle performance	≥ 6000 cycles; @ 25 ± 2 ℃, 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℃ (−30~−20℃ 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	UN38.3, IEC62619, IEC62477, IEC61000, EN50549
Application scenarios	Industrial and commercial energy storage, back−up power supply, store and trade energy, manage energy sources and tariffs, increase self−sufficiency