

GR261LH



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, integrated battery, PCS, MPPT and STS
- Scalable parallel support for multiple systems
- Cloud O&M, fast fault analysis and handling
- Multi-Scene Use: Support PV access and on/off grid switch ≤20ms

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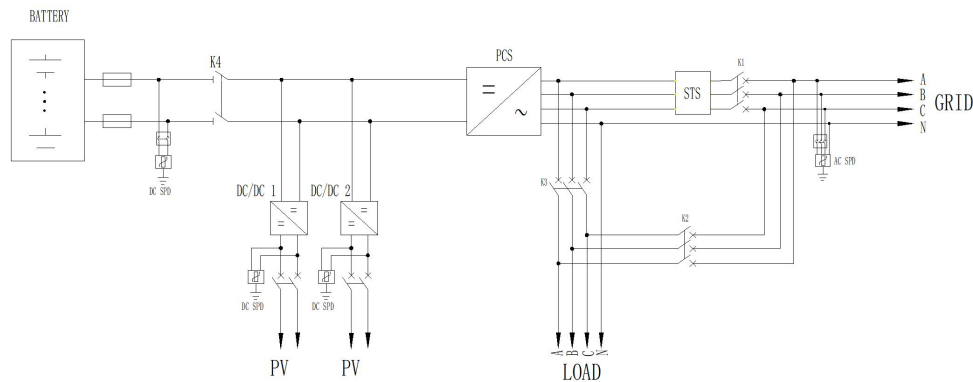


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Electrical Diagram



Specification Parameters

Model	GR261LH	
DC Side		
Cell type	LFP / 314Ah	
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	
PV Side		
Rated MPPT power	(120kW)*2	
Number of MPPT inputs	2*2	
PV Open-Circuit Voltage	200-900V	
MPPT voltage range	200-850V	
Rated voltage	600V	
PV Start-up Voltage	250V	
Max PV current	100A+100A+100A+100A	
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	3W+PE / 3W+N+PE	
Rated STS capacity	300kVA	
System Parameter		
Demension(W*H*D)	1650 * 2350 * 1500 mm	
Weight	≤ 3000 kg	
Cycle performance	≥6000 cycles; @ 25 ± 2 °C, 0.5P, SOH ≥80%	
System Efficiency	≥ 88.5% (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	
Remote monitoring	Cloud EMS, Mobile APP	
Certifications	IEC62619, IEC62477, IEC61000, EN50549, UN38.3	
Application scenarios	On-grid & off-grid, Industrial and commercial energy storage, Micro-grid, Emergency power backup	