

GR156LH

GOOREE
GREEN THE FUTURE



Features



Ultimate Reliability

- Optional semi- solid batteries with 80% reduced 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
- Supports hybrid operation with diesel engines and seamless grid-connected / off-grid switching.
- Supports dual-channel PV MPPT access.

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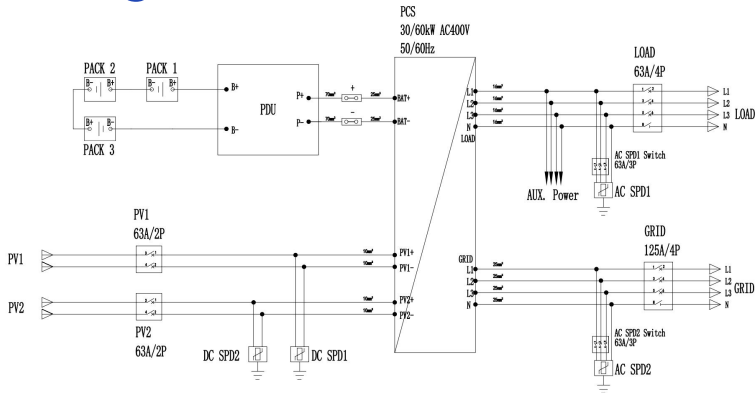


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Electrical Diagram



Specification Parameters

Model	GR156LH
DC Side	
Cell type	LFP / 314Ah (Optional Semi-Solid)
Battery capacity (BOL)	156.74 kWh
System configuration	(52S1P) 3S * 1
Rated DC voltage	499.2V
DC voltage range	421 ~ 569V
Charge/discharge rate	≤0.5P
Cooling Method	Liquid cooling
PV side	
Maximum power	38.4kW+38.4kW
Maximum PV voltage	850V
MPPT voltage range	200~850V
PV Start-up Voltage	250V
Maximum PV current	64A+64A
AC Side	
Rated AC power	60kW/30kW
Rated AC voltage	AC 400/230 V
Rated frequency	50 / 60 Hz
AC connection	3P + N + PE
System Parameters	
Demensions(W*H*D)	1100 * 2100 * 1500 mm
Weight	≤ 3100 kg
Cycle performance	≥ 6000 cycles; @ 25 ± 2 °C, 0.5P, SOH ≥ 80%
System Efficiency	≥ 88% (Including subsidiary Power Consumption)
Fire suppression system	Aerosol / 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
Certifications	IEC62619, IEC62477, IEC61000, EN50549- 1 (Compliant with EU NC- RfG), UN38.3