



MSDS



UN38.3



Features

- |  Ultimate Reliable |  Maximum Efficiency |  Infinite Flexibility |
|---|--|---|
| <ul style="list-style-type: none"> ➤ Optional semi-solid batteries, 80% lower thermal risk | <ul style="list-style-type: none"> ➤ Smart liquid cooling system for efficient dissipation | <ul style="list-style-type: none"> ➤ All-in-one design with battery, PCS, transformer and STS |
| <ul style="list-style-type: none"> ➤ Compliant with international standard certification | <ul style="list-style-type: none"> ➤ Automatic optimal EMS strategy control for best efficiency | <ul style="list-style-type: none"> ➤ Scalable parallel support for multiple systems |
| <ul style="list-style-type: none"> ➤ High protection up to IP55 and C4H anti-corrosion level | <ul style="list-style-type: none"> ➤ Self-developed BMS and EMS, project-level customization | <ul style="list-style-type: none"> ➤ Cloud O&M, fast fault analysis and handling |
| <ul style="list-style-type: none"> ➤ Multi-level fire protection and battery protection | <ul style="list-style-type: none"> ➤ Integrate artificial intelligence algorithms | <ul style="list-style-type: none"> ➤ Support PV AC/DC coupling, DG Connection on/off grid switch ≤20ms |

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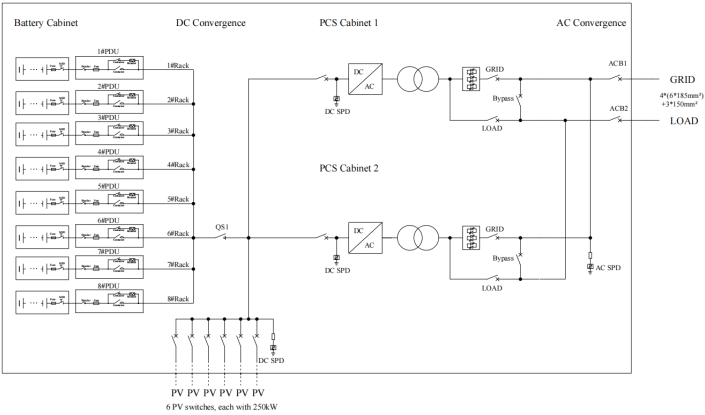
• Web : <https://en.gooree.com>



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Specification Parameters

Model	GR2000LH
DC Side	
Cell type	LFP / 314Ah
Battery capacity (BOL)	2089 kWh
System configuration	(52S1P) 5S * 8
Rated DC voltage	832V
DC voltage range	702 ~ 949V
Charge/discharge rate	≤0.5P
Cooling Method	Liquid cooling
AC Side	
Rated AC power	1000 kW
Max AC power	1100 kW
Rated AC voltage	400 / 480V
Rated frequency	50 / 60 Hz
AC connection	3P + N + PE
STS (Optional)	1000 kVA
System Parameter	
Demension(W*H*D)	6058 * 2896 * 2438 mm
Weight	≤ 28.5 T
Cycle performance	≥ 6000 cycles; @ 25 ± 2 °C , 0.5P , SOH ≥ 80%
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 , 4G (MQTT)
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