

## GR5000L





MSDS



UN38.3



## Features

 Ultimate Reliable	 Maximum Efficiency	 Infinite Flexibility
<ul style="list-style-type: none"><li>➤ LFP batteries, multiple detection and monitoring</li><li>➤ Compliant with international standard certification</li><li>➤ High protection up to IP55 and C4 anti-corrosion level</li><li>➤ Multi-level fire protection and battery protection</li></ul>	<ul style="list-style-type: none"><li>➤ Smart liquid Cooling System for efficient dissipation</li><li>➤ Automatic optimal EMS strategy control for best efficiency</li><li>➤ Self-developed BMS and EMS, project-level customization</li><li>➤ Integrate artificial intelligence algorithms</li></ul>	<ul style="list-style-type: none"><li>➤ DC-side system supporting flexible cluster reduction</li><li>➤ Supports two DC voltage levels: 1500V and less than 1000V.</li><li>➤ Cloud O&amp;M, fast fault analysis and handling</li><li>➤ Multiple applications with different AC-side systems</li></ul>

- 22F, BTR New Energy Technology Building,Guangyuan 2 Road, Guangming, Shenzhen
- Tel: (86)0755-88658100 E-mail: [sales@gooree.com](mailto:sales@gooree.com)
- Web : <https://en.gooree.com>

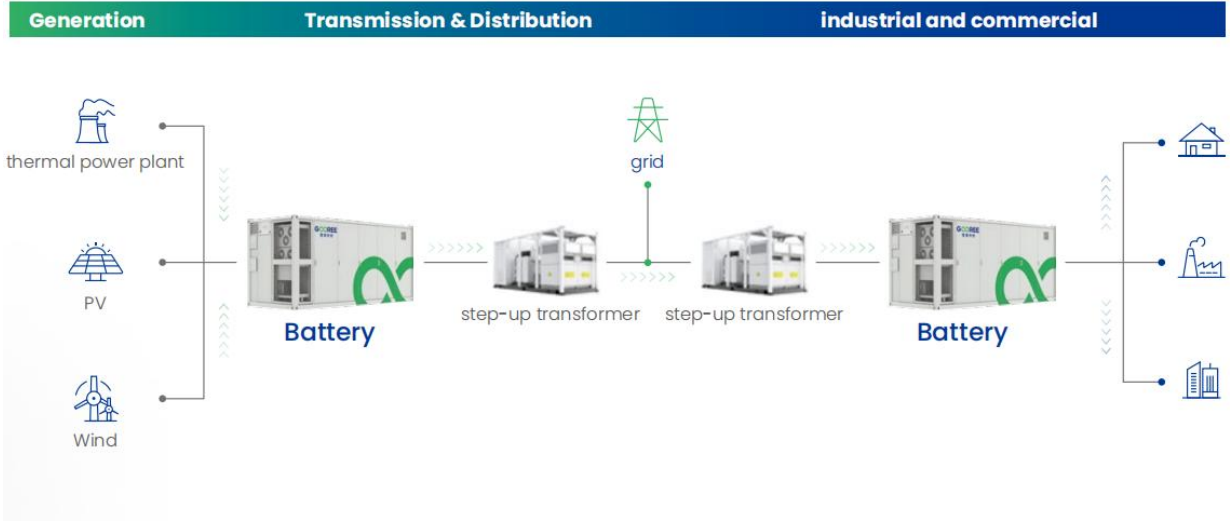


Facebook



LinkedIn

# Electrical Diagram



# Specification Parameters

Model	GR5000L
DC Side	
Cell type	LFP / 314Ah
Max battery capacity (BOL)	5016 kWh
System configuration	(52S1P) 8S * 12
Rated DC voltage	1331.2 V
DC voltage range	1123.2 ~ 1497.6 V
Charge/discharge rate	≤0.5P
Cooling Method	Liquid cooling
System Parameter	
Demension (W*H*D)	6058 * 2896 * 2438 mm
Weight	≤ 43 T
Cycle performance	≥ 8000 cycles; @ 25 ± 2 °C, 0.5P, SOH ≥ 70%
Max System Efficiency	94%
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 TCP / Modbus RTU / CAN 2.0 / IEC104
Communication Interface	Ethernet / RS485 / CAN / Domestic 4G
Remote monitoring	Cloud EMS, Mobile APP
Max Anti-corrosion Level	C4
Certifications	UN3536, UN38.3, IEC62619
Application scenarios	Utility, C&I energy storage