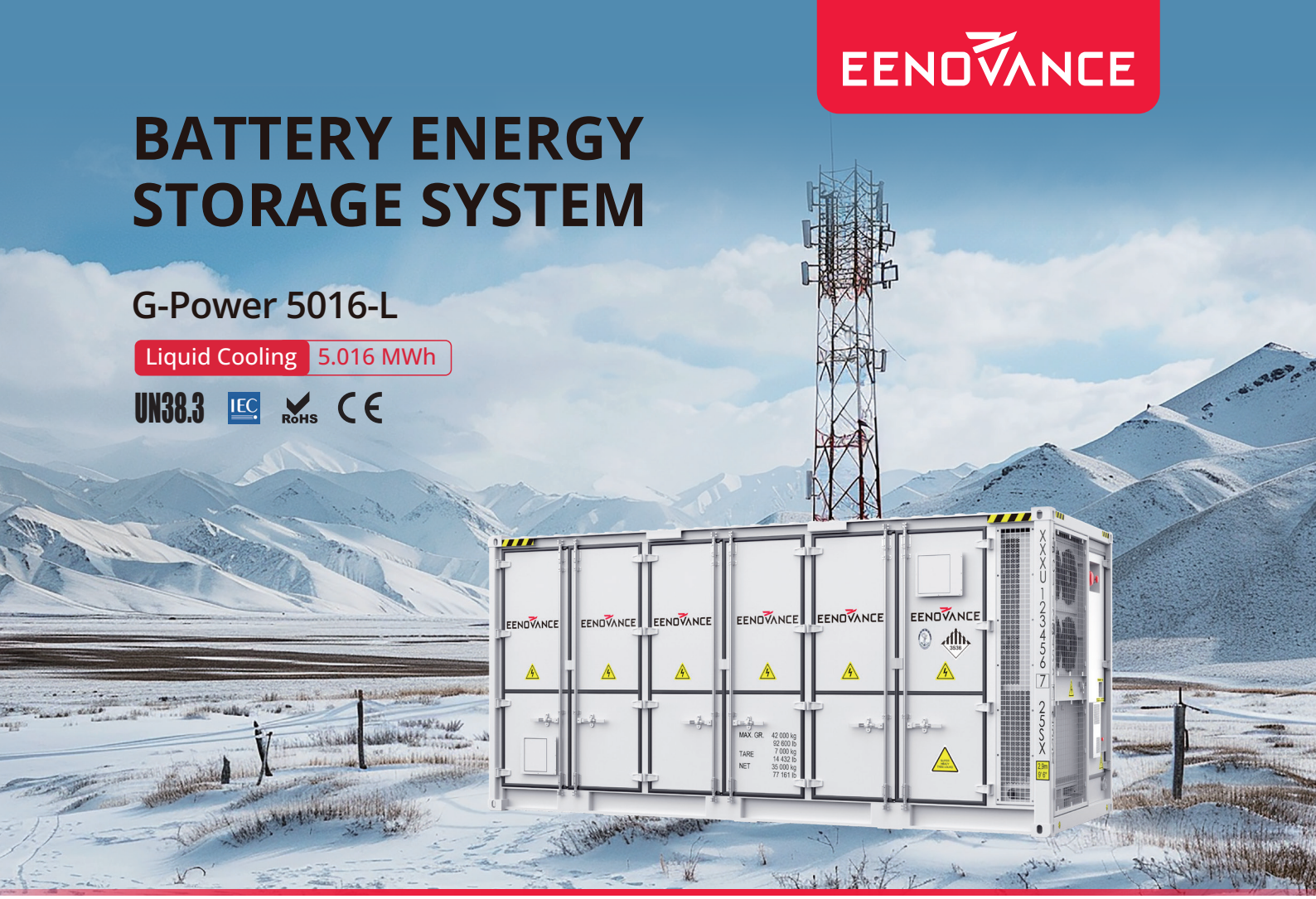
BATTERY ENERGY STORAGE SYSTEM

G-Power 5016-L

Liquid Cooling | 5.016 MWh

UN38.3 IEC RoHS CE



Features

- Supports (BMS, PMS, EMS) Deep Integration
- Modular Design, Flexible Cluster Selection
- Electrical Safety / Isolation and Fire Resistance
- Multi-Level Protection and Alarm (Gas, Water, Ventilation)
- IP55 Protection Rating, Outdoor Installation
- Intelligent EMS, Remote Monitoring and Fault Diagnosis

Scenarios


Industrial Parks


Commercial Parks


Livestock Farms


Farms


Manufacturing Bases


Photovoltaic Parks


Wind Power Bases

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DATASHEET

Model	G-Power 5016-L
Battery Parameters	
Cell technology	LFP-3.2 V / 314 Ah
Battery pack configuration	1P104S
Battery cluster configuration	1P416S
System configuration	12 × 1P416S
Rated energy	5.016 MWh
Rated voltage	1331.2 V
Voltage range	1164.8 V ~ 1497.6 V
Charge / discharge rate	0.5P
Other Parameters	
Dimension (W × D × H)	6058 × 2438 × 2896 mm 238.5 × 96 × 114 inch
Weight	42 t (92594.04 lb)
Operating temperature range	−20 °C to +50 °C (-4 °F ~ +122 °F) (Derating below -15 °C or above 45 °C)
Relative humidity	5 % to 95 % (No condensation)
Maximum working altitude	≤ 4000 m (> 2000 m Derating)
Noise	≤ 75 dB
IP Rating	IP55
Cooling method	Liquid cooling
FFS	Aerosol: containerized-level, water firefighting, combustible gas detection and exhaust, explosion venting design
Communication	CAN / RS485 / 4G+LAN
Cycle life	8,000 cycles (25 ± 2 °C, 0.5P / 0.5P, 70 % SOH)
Corrosion Resistance	C4-M
Battery Compartment — Boost Converter Unit Cables	1/0 AWG (Copper Core Power Cable) × 12 sets (P+ and P−)
Standard Compliance	
Compliance	UL9540A,IEC62933-5-2,IEC62619,IEC63056,IEC62477-1,IEC61000-6-2/-4,UN 38.3

SYSTEM DIAGRAM

