

BATTERY ENERGY STORAGE SYSTEM

G-Power 5016-L

Liquid Cooling 5.016MWh

UN38.3



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 Diagnose



Scenarios



Industrial
Parks



Commercial
Parks



Livestock
Farms



Farms



Manufacturing
Bases



Photovoltaic
Parks



Wind Power
Bases

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 power		5.016 MWh
Rated voltage		1331.2 V
Voltage range		1164.8 V ~1497.6V
Charge / discharge rate		0.5P
Other Parameters		
Dimension (W×D×H)	6058×2438×2896 mm	
	238.5×96×114 inch	
Weight		42T (92594.04lbs)
Operating temperature range		-20 ~ +50°C (-4 ~ +122°F)(Derating below -15°C or above 45°C)
Relative humidity		5 ~ 95% (No condensation)
Maximum working altitude		≤4000 m (> 2000 m Derating)
Noise		≤75dB
IP Rating		IP55
Cooling method		Liquid cooling
FSS		Aerosol: containerized-level, water firefighting, combustible gas detection and exhaust, explosion venting design
Communication		CAN / RS485 / 4G+LAN
Cycle life		8000 cycles (25±2°C, 0.5P/0.5P, 70% SOH)
Corrosion Resistance		C4-M
Battery Compartment — Boost Converter Unit Cables		1/0AWG (Copper Core Power Cable) *12set (P+、 P-)
Standard Compliance		
Compliance		IEC62619,IEC63056,IEC62477-1,IEC61000-6-2/-4,IEC60730,UN38.3,Rohs

SYSTEM DIAGRAM

