

Battery Energy Storage System

G-Power 5016-L | 5.016MWh



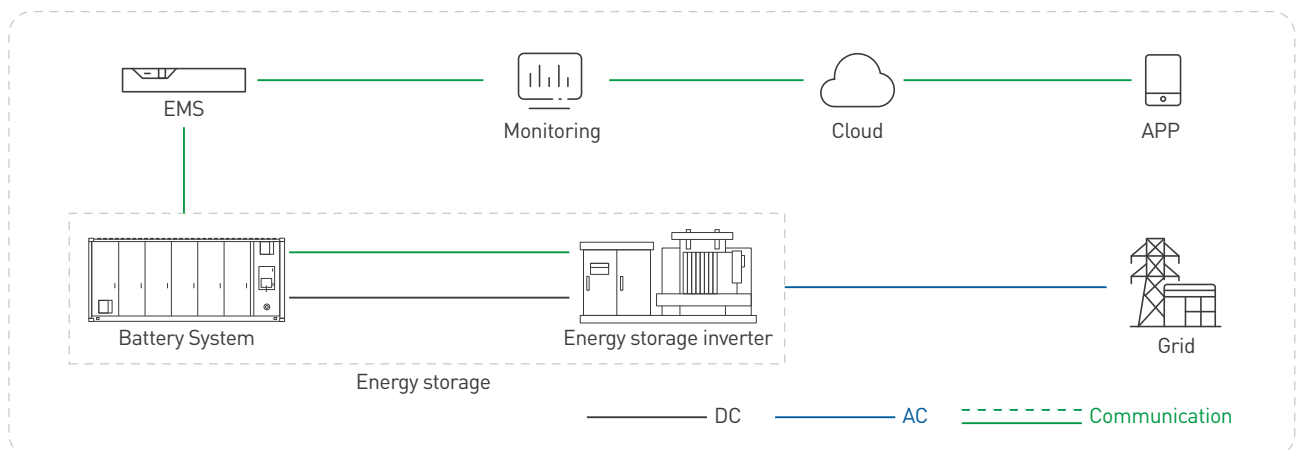
Comprehensive Protection
Integrated multi-level alerts and fire systems to keep your assets secure from every angle.

Long-lasting Performance
Efficient thermal management keeps temperature differences within $\leq 3^{\circ}\text{C}$ and temperature rise under $< 7^{\circ}\text{C}$, enhancing performance and lifespan.

Easy Maintenance
Front-access and modular design make station deployment simpler, reducing footprint and easing maintenance.

Smart Expansion & Operations
Flexible parallel support and smart EMS for remote monitoring and diagnostics help you boost operational efficiency with ease.

System Diagram



Datasheet

CE UN38.3   

Model	G-Power 5016-L
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Battery Side Parameters

Cell technology	LFP-3.2V / 314 Ah
Battery pack configuration	1P104S
Battery cluster configuration	1P416S
System configuration	12*1P416S
Rated power	5.016 MWh
Rated voltage	1331.2V
Battery voltage range	1040 V - 1497.6 V
Battery system charge/discharge rate	0.5P

Other Parameters

Dimension (WxDxH)	6058x2438x2896 mm
	238.5x96x114 inch
Weight	40T-45T (88184.9 lbs-99208.0 lbs)
Operating temperature range	-30°C~+55°C (-22°F~+ 131°F) (Derating below -15°C or above 45°C)
Relative humidity	5 ~ 95% (No condensation)
Maximum working altitude	3000 m (> 2000 m Derating)
Noise	≤75dB
Ingress Protection Rating	IP55
Firefighting	Aerosol: module-level + containerized-level, water firefighting, combustible gas detection and exhaust, explosion venting design
Heat dissipation method	Liquid cooling
Communication	CAN / RS485 / TCP
Cycle life	8000 cycles (25±2°C, 0.5P/0.5P, 70% SOH)

Standard Compliance

Compliance	UN38.3 / UN3536 / IEC62619 / IEC61000 / IEC62477-1 / CQC (More available upon request)
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