

GRID-SCALE ESS



High safety

The battery system complies with stringent international standards such as UL1973, UL9540A, and NFPA 855.



Long Lifespan

Utilizes large-capacity, high-cycle-life battery cells, supporting long-term stable operation.



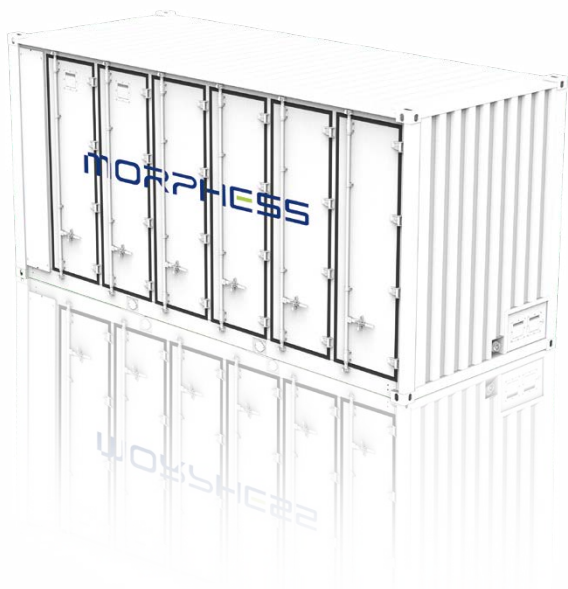
Flexible Layout

Supports flexible configuration of multiple battery cabinets to adapt to diverse site layouts and installation requirements.

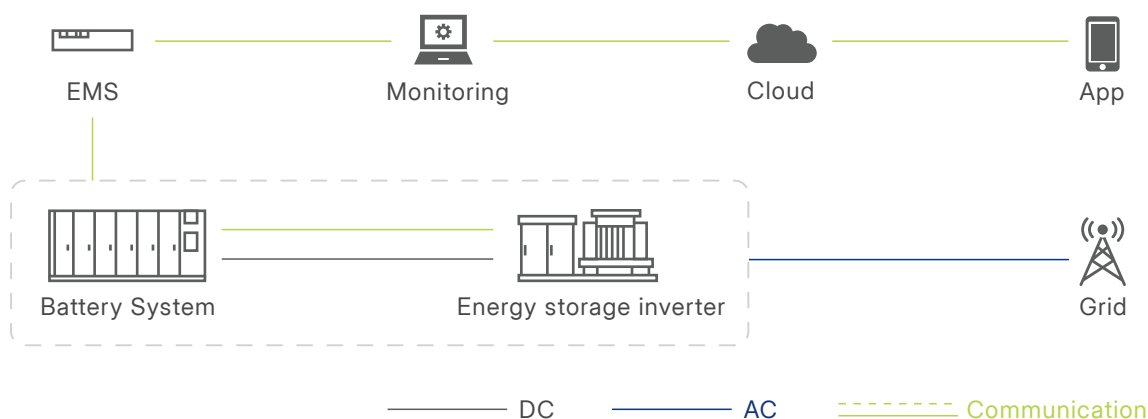


Easy Maintenance

Modular design, convenient for one-site operation and maintenance.



System Diagram



Product Model	MorphG-5016-LC
General parameter	
Rated output power	5MW (2.5MW)
Rated energy	10MWh (5MWh)
Rated grid voltage	10kV~35kV Optional
Humidity range	0~95% (No condensation)
Maximum working altitude	3000 m (> 2000 m Derating)
Noise	≤75dB
Ingress protection rating	IP55
Warranty	5 years
Battery Container parameters	
Rated energy	5.016MWh
Rated voltage	DC1331.2V
Voltage range	DC1164.8~DC1497.6V
Rated Charge/Discharge rate	0.5C
Cycle life	8000cycles (25°C±2°C, 0.5C, 80%DOD, 70%EOL)
Fire fighting	Aerosol
Cooling Type	Liquid cooling
Temperature range	Charging:0°C~+55°C; Discharging:-20°C~+55°C;
Weight	~40t
Dimension (W×D×H)	6058×2438×2896 mm
Compliance	IEC62619/UL1973/UL9540A/NFPA855//NFPA68//NFPA69
AC side parameters	
AC output power	5500kVA@30°C, 5000kVA@45°C
Power factor	-1~1
Rated grid frequency	50/60Hz
PCS Max. efficiency	99%
Transformer type	Oil-Immersed Transformer
Operating temperature range	-40~+60°C(>45°C derating)
Transformer LV/MV voltage	0.69kV/35kV (10kV~35kV Optional)
Dimensions (W×D×H)	6058×2438×2896mm
Weight	20t