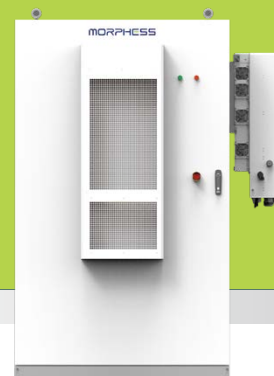


C&I ENERGY STORAGE SYSTEM



Integrated Solar-Storage-Diesel System

Multi-channel PV MPPT access, with integrated battery and diesel engine interface.



High-Reliability Backup Power

Fast grid-tied/off-grid switching within 20ms, transitioning from grid to battery to supply sensitive loads.



Long Lifespan

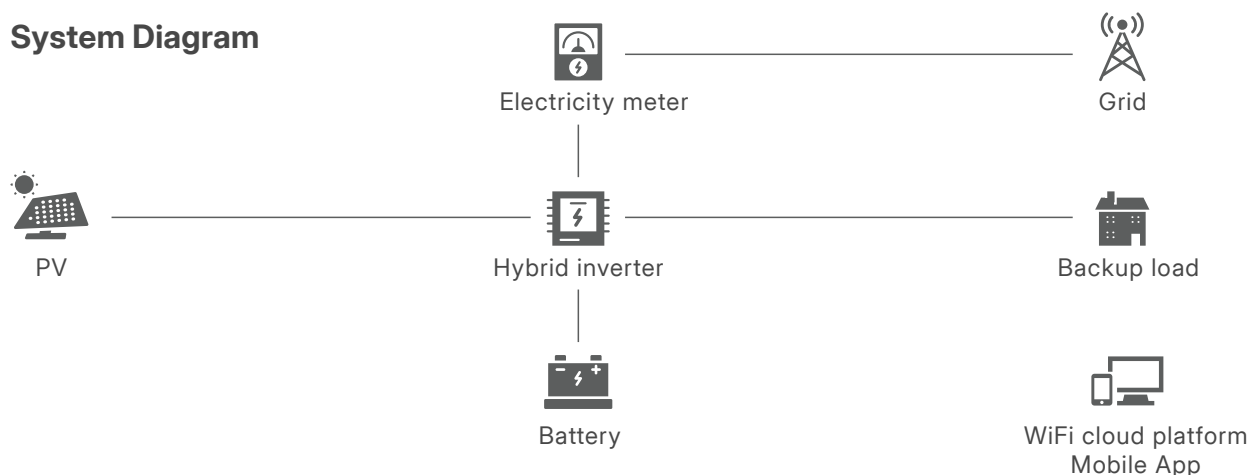
Utilizes large-capacity, high-cycle-life battery cells, supporting long-term stable operation.



High Protection

Supports use in harsh outdoor environments.

System Diagram



Product Model	MorphC-50/264	MorphC-75/264	MorphC-100/264	MorphC-125/264
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General parameter

Rated output power	50kW	75kW	100kW	125kW
Rated energy	264kWh			
Optional energy configurations	192/216/240kWh	192/216/240kWh	216/240kW	/
Weight	~2.7t			
Temperature range	-30°C~+55°C (Derating Below - 15°C or above 45°C)			
Humidity range	0~95% (No condensation)			
Cooling type	Air cooling			
Maximum working altitude	3000 m (> 2000 m Derating)			
Noise	≤75dB			
Ingress protection rating	IP55			
Fire fighting	Aerosol			
Warranty	5 years			
Dimension (W×D×H)	1300×1250×2250 mm			

Battery parameters

Rated energy	264kWh
Rated voltage	DC844.8V
Voltage range	DC739.2~DC950.4V
Rated Charge/Discharge rate	0.5C
Cycle life	8000cycles (25°C±2°C, 0.5C, 80%DOD, 70%EOL)

Hybrid parameters (Grid side)

Rated grid voltage	3/N/PE, 230V/400V
Power factor	-1~1
On/Off grid switching time	<20ms
Rated grid frequency	50Hz / 60Hz

Hybrid parameters (PV side)

PV side voltage range	150 V - 950 V			
DC maximum current	4*40A	10*42A	10*42A	10*42A
DC maximum power	96kW	150kW	200 kW	250 kW
MPPT quantity/ Maximum Input Strings	4/8	10/20	10/20	10/20