

Lynx C Series

100kWh | C&I Battery System

GoodWe's Lynx C 100kWh outdoor battery system is tailored for small to medium-sized commercial and industrial (C&I) energy storage applications. Its modular design not only minimizes the impact of local failures but also allows for swift and straightforward module replacements. Combined with GoodWe ET 40-50kW hybrid inverters, the Lynx 100kWh battery system offers a compact, easy-to-install, and high-performance turnkey energy storage solution. This powerful combination enables efficient energy backup, peak shaving, and streamlined load management. Moreover, the system supports the parallel connection of batteries and inverters, allowing for the expansion of the energy storage system size and enabling flexible configurations.*



Smart Control & Monitoring

- Remote monitoring & updates
- Peak shaving



Friendly & Thoughtful Design

- Highly integrated cabinet for easy transportation and installation
- Modular design for easier O&M





Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- IP55 and C4 corrosion protection for indoor & outdoor installation
- Fire suppression and explosion prevention design



Flexible & Adaptable Applications

- Compatible with GoodWe hybrid inverter ET 40-50kW
- Support multi-cabinet parallel connection for easy system expansion

Technical Data		GW100KWH-D-10	GW100KWH-D-10 (Extension)
			
Battery Data			
Cell Type	LFP (LiFePO4)		
Module Nominal Energy (kWh)	14.4		
Number of Packs	7		
Usable Energy (kWh)*1	100.8		
Nominal Voltage (V)	672		
Operating Voltage Range (V)	567 ~ 756		
Charging Temperature Range (°C)	0 ~ +55		
Discharging Temperature Range (°C)	-25 ~ +55		
Max. Charge / Discharge Current (A)*2	Charge: 90; Discharge: 120		
Depth of Discharge	100%		
Max. Charge / Discharge Power (kW)	Charge: 60.5; Discharge: 80.6		
Efficiency			
Round-trip Efficiency	94%		
General Data			
Storage Temperature (°C)	0 ~ 35 (<One Year); -10 ~ 0 (≤One Month); 35 ~ 40 (≤One Month)		
Relative Humidity	0 ~ 95%, No condensation		
Max. Operating Altitude (m)	3000		
Heating & Cooling	Air Conditioner		
Communication Interface	CAN		
Weight (kg)	approx.1520	approx.1430	
Dimension (W × H × D mm)	approx.1200 × 2070 × 1050	approx.900 × 2070 × 1050	
Ingress Protection Rating	IP55		
Anti-Corrosion*3	C4 (Optional upgrade to C5)		
Fire Suppresion	Optional, Aerosol / Perfluorhexone		
Country of Manufacture	China		

*1: Test conditions, 100% DOD, 0.5C charge & discharge at +25 ±2°C for battery system at beginning life. System Usable Energy may vary with different Inverter.

*2: Actual Dis- / Charge Current and power derating will occur related to Cell Temperature and SOC. And, Max C-rate continuous time is affected by SOC, Cell Temperature, Atmosphere environment temperature, Air-conditioner refrigeration capacity.

*3: Excluding locks.

*: Please visit GoodWe website for the latest certificates.

*: All pictures shown are for reference only. Actual appearance may vary.

C&I Energy Storage Solution

The Lynx C 100kWh battery system is paired with a hybrid inverter from the GoodWe ET 40-50kW Series to form a compact storage solution. Additionally, when paired with the Static Transfer Switch (STS) Box from GoodWe, this storage solution can not only enable dependable UPS-level switching to backup mode but also interact with diesel generators to efficiently replenish batteries.



A convenient compartment for the hybrid inverter is included. The hybrid inverter of the ET 40-50kW Series must be purchased separately. Refer to the ET 40-50kW or STS datasheet for detailed specifications.

Extension of the Energy Storage Solution

The combined energy storage system can be expanded by connecting up to two additional Lynx C 100kWh extension batteries (model GW100KWH-D-10-Extension), resulting in 300kWh battery capacity.



Parallel connection of the hybrid inverter will enable further system expansions.



*The parallel connection feature for ET 40-50kW inverters is expected in 2024.