




Reduced energy cost and uninterrupted power supply for C&I applications

- ✓ Lower electricity cost
- ✓ Uninterrupted power supply
- ✓ Reduced peak demand
- ✓ Safe and efficient operation

Commercial and industry (C&I) energy storage solutions are increasingly deployed by companies to encounter rising energy cost, maintain stable operating conditions and secure competitiveness. In addition to increased self-consumption of generated PV power to lower the electricity bill, the GoodWe energy storage systems allow users to level out peak demands and avoid additional grid fees. Combined with GoodWe battery system Lynx C (101kWh - 156kWh), the ETC/BTC hybrid inverters ensure powerful backup, thereby delivering additional value to organisations with a strong reliance on uninterrupted power.

-  Peak shaving functionality
-  UPS level switching <10ms
-  Powerful back-up



Technical Data		GW50K-BTC
Battery Input Data		
Battery Type	Li-Ion	
Nominal Battery Voltage (V) ¹	422.4 / 499.2 / 576 / 652.8	
Battery Voltage Range (V)	200 ~ 865	
Max. Continuous Charging Current (A)	100	
Max. Continuous Discharging Current (A)	100	
Max. Charging Power (kW)	50	
Max. Discharging Power (kW)	55	
No. of Battery Input	1	
AC Output Data (On-grid)		
Nominal Apparent Power Output to Utility Grid (kVA)	50	
Max. Apparent Power Output to Utility Grid (kVA)	52.5	
Max. Apparent Power from Utility Grid (kVA)	55	
Nominal Output Voltage (V)	400, 3L / N / PE	
Nominal AC Grid Frequency (Hz)	50 / 60	
Max. AC Current Output to Utility Grid (A)	76	
Max. AC Current From Utility Grid (A)	100	
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion	<3%	
AC Output Data (Back-up)		
Back-up Nominal Apparent Power (kVA)	50	
Max. Output Apparent Power (kVA)	55	
Max. Output Current (A)	76	
Nominal Output Voltage (V)	400	
Nominal Output Frequency (Hz)	50 / 60	
Output THDv (@Linear Load)	<3%	
Efficiency		
Max. Efficiency	97.6%	
European Efficiency	97.3%	
Max. Battery to AC Efficiency	97.2%	
Protection		
Residual Current Monitoring	Integrated	
Battery Reverse Polarity Protection	Integrated	
Anti-islanding Protection	Integrated	
AC Overcurrent Protection	Integrated	
AC Short Circuit Protection	Integrated	
AC Overvoltage Protection	Integrated	
DC Switch	Integrated	
AC Switch	Integrated	
AC Surge Protection	Type II (Type I+ II Optional)	
Remote Shutdown	Integrated	
General Data		
Operating Temperature Range (°C)	-20 ~ +60 (>45°C derating)	
Relative Humidity	0 ~ 95% (Non-condensing)	
Max. Operating Altitude (m)	4000	
Cooling Method	Smart Fan Cooling	
User Interface	LED, LCD, WLAN + APP	
Communication with BMS	RS485	
Communication with Meter	RS485	
Communication with Portal	RS485, LAN / Bluetooth	
Weight (kg)	124	
Dimension (W × H × D mm)	585 × 1360 × 750	
Topology	Non-isolated	
Ingress Protection Rating	IP20	
Mounting Method	Grounded	

*1: Nominal Battery Voltage (V): With GOODWE battery model: LXC101-10: 422.4V, LXC120-10: 499.2V, LXC138-10: 576V, LXC156-10: 652.8V.

*: Please visit GoodWe website for the latest certificates.