




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

- ✓ Lower electricity cost
- ✓ Reduced peak demand
- ✓ Uninterrupted power supply
- ✓ 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 the user to level out peak demands and avoid additional grid fees. Combined with GoodWe battery system Lynx C (101kWh - 156kWh) or other compatible batteries, 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.