

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 can effectively encounter rising energy cost, maintain stable operations, and secure competitiveness. In addition to increased self-consumption, the GoodWe energy storage systems allow users to level out peak demands and avoid additional grid fees. The powerful backup delivers additional value to organisations with a strong reliance on uninterrupted power. The ETC/BTC inverters are designed to be connected exclusively to the GoodWe battery system Lynx C and can be paired with up to three Lynx C batteries per battery input, thereby providing a wide range of battery capacity options for enhanced flexibility.



Peak shaving functionality



Compatible with Lynx C battery (101kWh - 936kWh)



Powerful back-up with UPS-level switching



Technical Data GW50K07-BTC GW50K06-BTC GW50K05-BTC GW100K07-BTC GW100K06-BTC GW100K05-BTC

Battery Input Data						
Battery Type	Li-Ion					
Nominal Battery Voltage (V) ^{*1}	422.4 / 499.2 / 576.0 / 652.8					
Battery Voltage Range (V)	200 ~ 865					
Max. Continuous Charging Current (A)	100	100	100	100 / 100	100 / 100	100 / 100
Max. Continuous Discharging Current (A)	100	100	100	100 / 100	100 / 100	100 / 100
Max. Charge Power (kW)	50	50	50	100	100	100
Max. Discharge Power (kW)	55	55	55	110	110	110
Max Number of Battery Input	1	1	1	2	2	2
AC Output Data (On-grid)						
Nominal Apparent Power Output to Utility Grid (kVA)	50	50	50	100	100	100
Max. Apparent Power Output to Utility Grid (kVA)	55	55	55	110	110	110
Max. Apparent Power from Utility Grid (kVA)	55	55	55	110	110	110
Nominal Output Voltage (V)	400, 3L / N / PE					
Output Voltage Range (V)	312 ~ 460 (AU); 318 ~ 497 (DE)					
Nominal AC Grid Frequency (Hz)	50 / 60					
AC Grid Frequency Range (Hz)	47 ~ 52 (AU); 47.5 ~ 51.5 (DE)					
Max. AC Current Output to Utility Grid (A)	79.8	79.8	79.8	159.5	159.5	159.5
Max. AC Current From Utility Grid (A)	79.8	79.8	79.8	159.5	159.5	159.5
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	-	50	100	-	100
Max. Output Apparent Power (kVA)	55	-	55	110	-	110
Max. Output Current (A)	79.8	-	79.8	159.5	-	159.5
Nominal Output Voltage (V)	400	-	400	400	-	400
Nominal Output Frequency (Hz)	50 / 60	-	50 / 60	50 / 60	-	50 / 60
Output THDv (@Linear Load)	<3%	-	<3%	<3%	-	<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)					
Emergency Power Off	Integrated					
Rapid Shutdown	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	CAN, RS485					
Communication with Meter	RS485					
Communication with Portal	RS485, LAN / Bluetooth					
Weight (kg)	124	124	124	174	174	174
Dimension (W x H x D mm)	585 x 1360 x 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.

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