




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 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-ETC	GW100K07-ETC
Battery Input Data			
Battery Type	Li-Ion		
Nominal Battery Voltage (V)	422.4 / 499.2 / 576.0 / 652.8		
Battery Voltage Range (V)	200 ~ 865		
Start-up Voltage (V)	200		
Number of Battery Input	1	2	
Max. Continuous Charging Current (A)	100	100 / 100	
Max. Continuous Discharging Current (A)	100	100 / 100	
Max. Charging Power (kW)	50	100	
Max. Discharging Power (kW)	55	110	
PV String Input Data			
Max. Input Power (kW)	65	130	
Max. Input Voltage (V)	1000		
MPPT Operating Voltage Range (V)	250 ~ 960		
Start-up Voltage (V)	250		
Nominal Input Voltage (V)	600		
Max. Input Current per MPPT (A)	100		
Max. Short Circuit Current per MPPT (A)	125		
Number of MPP Trackers	1	2	
AC Output Data (On-grid)			
Nominal Output Power (kW)	50	100	
Nominal Apparent Power Output to Utility Grid (kVA)	50	100	
Max. Apparent Power Output to Utility Grid (kVA)	55	110	
Max. Apparent Power from Utility Grid (kVA)	55	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	159.5	
Max. AC Current from Utility Grid (A)	79.8	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	100	
Max. Output Apparent Power without Grid (kVA)	55	110	
Max. Output Apparent Power with Grid (kVA)	55	110	
Max. Output Current (A)	79.8	159.5	
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%		
MPPT Efficiency	99.9%		
Protection			
PV Insulation Resistance Detection	Integrated		
Residual Current Monitoring	Integrated		
PV Reverse Polarity Protection	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		
DC Surge Protection	Type II (Type I + II Optional)		
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, CAN		
Communication with Meter	RS485		
Communication with Portal	RS485, LAN		
Weight (kg)	184.5	239.5	
Dimension (W × H × D mm)	585 × 1360 × 750		
Topology	Non-isolated		
Ingress Protection Rating	IP20		
Mounting Method	Grounded		

*: Please visit GoodWe website for the latest certificates.