

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 x H x D mm)	585 x 1360 x 750	
Topology	Non-isolated	
Ingress Protection Rating	IP20	
Mounting Method	Grounded	

*: Please visit GoodWe website for the latest certificates.