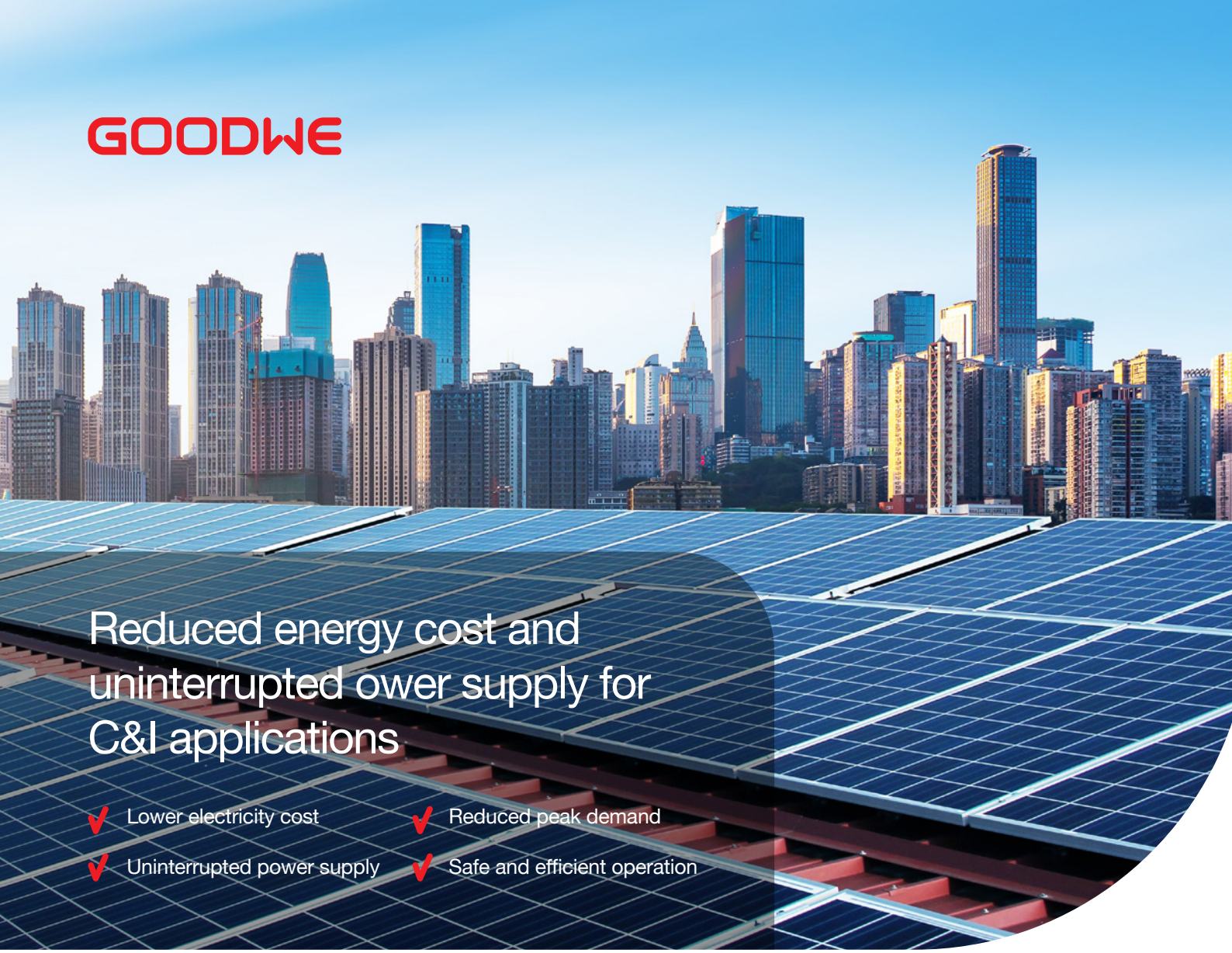
GOODWE



Reduced energy cost and uninterrupted ower 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

ETC Series Hybrid Inverter I 50kW I 1 MPPT I Three-phase I HV **EMEA**

GOODWE

Technical Data	GW50K-ETC
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
PV String Input Data	
Max. Input Power (kW)	65
Max. Input Voltage (V)	1000
MPPT Operating Voltage Range (V)	250 ~ 850
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
Number of Strings per MPPT	8
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 Freqency (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
Communication with Meter	RS485
Communication with Portal	RS485, LAN / Bluetooth
Weight (kg)	142
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.

This datasheet provides information about products offered in the EMEA region.