

Tower

Tower series is specifically designed for large residential, as well as small commercial and industrial applications, offering an energy capacity range from 7.1 kWh to 255.72 kWh. It has been market-verified for 5 years with 0 accidents.



Flexible Expansion

Up to 12 clusters in parallel,
7.1kWh~255.72kWh capacity



Easy Installation

0 wiring, plug&play, allow
one people to install



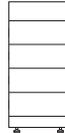
IP54 Protection

Indoor&outdoor installations



Smart Management

Real-time system monitoring, remote
control, OTA updates

Model	Tower T7	Tower T10	Tower T14	Tower T17	Tower T21
Product Pattern					
Battery Module Type	LiFePO ₄	LiFePO ₄	LiFePO ₄	LiFePO ₄	LiFePO ₄
Battery Module Quantity	2	3	4	5	6
Nominal Energy	7.10kWh	10.66kWh	14.21kWh	17.76kWh	21.31kWh
Usable Energy	6.745kWh	10.127kWh	13.499kWh	16.872kWh	20.245kWh
Operating Voltage	168–216V	252–324V	336–432V	420–540V	504–648V
Nominal Voltage	192V	288V	384V	480V	576V
Nominal Capacity	37Ah	37Ah	37Ah	37Ah	37Ah
Max. Continuous Charge/Discharge Power *	4.26kW	6.39kW	8.52kW	10.65kW	12.78kW
Recommended Depth of Discharge (DOD)	95%	95%	95%	95%	95%
Dimensions [W/D/H] (mm)	504/380/700	504/380/900	504/380/1100	504/380/1300	504/380/1500
Net Weight [kg]	105	146	187	228	269
Charging Temperature Range	0~50°C				
Discharging Temperature Range	-10~50°C				
Communication	CAN/RS485				
Cycle life **	≥6000 Cycles				
Protection Level	IP54				
Battery Module Name	HV9637				
Expansion	Max. 12 towers can be connected in parallel				
Certification	UL1973/CE-EMC/CE-RED/IEC62040/IEC62619/IEC62477/IEC63056/ UKCA/ROHS/VDE2510-50/ISO14067/CEC/GOST-R/UN38.3/CEI-O21				
Compatible Inverters	Kostal/Ingeteam/Solis/Goodwe/Solplanet/Deye/Hoymiles/Solinteg/SINENG/Sinexcel ect.				

* Maximum Continuous Discharge/Charge Power when communicating with inverter is 0.6C

** Test Conditions:0.2C Charging & Discharging.@25°C,95%DOD



GOODWE

Smart optimisation of energy autonomy across residential ecosystems

- ✓ Optimised energy autonomy
- ✓ Smart and efficient operations
- ✓ Modern and compact design
- ✓ Highest safety standards



NO.6
93.4%

Operating at the heart of the integrated PV power and storage system, our ET PLUS+ hybrid inverters are designed to maximise energy output, enhance self-consumption, realise peak-shaving and facilitate backup power. With intelligent load controls and wide battery voltage range, the set-up can be flexibly configured to meet individual needs across the residential ecosystem. Combine with GoodWe battery system Lynx Home F for a safe and reliable energy storage solution.

-  Fanless and silent
-  Smart home integration
-  UPS level switching <10ms



ET PLUS+ (16A) Series

Hybrid Inverter | 5 – 10kW | 2 MPPTs | Three Phase | HV

EMEA

Technical Data	GW5KN-ET	GW6.5KN-ET	GW8KN-ET	GW10KN-ET
Battery Input Data				
Battery Type	Li-Ion			
Nominal Battery Voltage (V)	500			
Battery Voltage Range (V)	180 ~ 600			
Start-up Voltage (V)	180			
Number of Battery Input	1			
Max. Continuous Charging Current (A)	25			
Max. Continuous Discharging Current (A)	25			
Max. Charging Power (W)	7500	8450	9600	10000
Max. Discharging Power (W)	7500	8450	9600	10000
PV String Input Data				
Max. Input Power (W)	7500	9700	12000	15000
Max. Input Voltage (V) ¹	1000			
MPPT Operating Voltage Range (V) ²	200 ~ 850			
Start-up Voltage (V)	180			
Nominal Input Voltage (V)	620			
Max. Input Current per MPPT (A)	16			
Max. Short Circuit Current per MPPT (A)	21.2			
Number of MPP Trackers	2			
Number of Strings per MPPT	1			
AC Output Data (On-grid)				
Nominal Output Power (W)	5000	6500	8000	10000
Nominal Apparent Power Output to Utility Grid (VA)	5000	6500	8000	10000
Max. Apparent Power Output to Utility Grid (VA) ²	5500	7150	8800	11000
Max. Apparent Power from Utility Grid (VA)	10000	13000	15000	15000
Nominal Output Voltage (V)	400 / 380, 3L / N / PE			
Output Voltage Range (V)	0 ~ 300			
Nominal AC Grid Frequency (Hz)	50 / 60			
AC Grid Frequency Range (Hz)	45 ~ 65			
Max. AC Current Output to Utility Grid (A)	8.5	10.8	13.5	16.5
Max. AC Current From Utility Grid (A)	15.2	19.7	22.7	22.7
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 (VA)	5000	6500	8000	10000
Max. Output Apparent Power without Grid (VA) ³	5000 (10000@60sec)	6500 (13000@60sec)	8000 (16000@60sec)	10000 (16500@60sec)
Max. Output Apparent Power with Grid (VA) ³	5000	6500	8000	10000
Max. Output Current (A)	8.5	10.8	13.5	16.5
Nominal Output Voltage (V)	400 / 380			
Nominal Output Frequency (Hz)	50 / 60			
Output THDv (@Linear Load)	<3%			
Efficiency				
Max. Efficiency	98.0%	98.0%	98.2%	98.2%
European Efficiency	97.2%	97.2%	97.5%	97.5%
Max. Battery to AC Efficiency	97.5%			
MPPT Efficiency	99.9%			
Protection				
PV Insulation Resistance Detection	Integrated			
Residual Current Monitoring	Integrated			
PV Reverse Polarity Protection	Integrated			
Anti-islanding Protection	Integrated			
AC Overcurrent Protection	Integrated			
AC Short Circuit Protection	Integrated			
AC Overvoltage Protection	Integrated			
DC Switch	Integrated			
DC Surge Protection	Type II			
AC Surge Protection	Type III			
Remote Shutdown	Integrated			
General Data				
Operating Temperature Range (°C)	-35 ~ +60			
Relative Humidity	0 ~ 95%			
Max. Operating Altitude (m)	4000			
Cooling Method	Natural Convection			
User Interface	LED, APP			
Communication with BMS ⁴	RS485, CAN			
Communication with Meter	RS485			
Communication with Portal	WiFi / Wi-Fi + LAN (Optional) / 4G (Optional)			
Weight (kg)	24			
Dimension (W x H x D mm)	415 x 516 x 180			
Topology	Non-isolated			
Self-consumption at Night (W) ⁵	<15			
Ingress Protection Rating	IP66			
Mounting Method	Wall Mounted			

*1: For 1000V system, Maximum operating voltage is 950V.

*2: According to the local grid regulation.

*3: Can be reached only if PV and battery power is enough.

*4: CAN communication is configured default. If RS485 communication is used, please replace the corresponding communication line.

*5: No Back-up Output.

*: Not all certifications & standards listed, check the official website for details.

*: Please visit GoodWe website for the latest certificates.