

GOODWE

ET PLUS+ Series

5-10kW | Three Phase Hybrid Inverter

ET PLUS+ Series integrates its technical strengths that make it one of the most adaptive options in the market for flexible residential needs.

The series brings values of high power generation and charging power for optimal energy harvest, flexible applications enabled by smart load control and 100% unbalanced output, and sustainable system reliability and safety. It is a true versatile quality investment that extends application scenarios and maximizes self-consumption ratios.



Smart load control



150% DC input oversizing



100% unbalanced output



In-built Type II SPD for DC



Battery ready option



<10ms UPS-level switching

Technical Data	GW5K-ET	GW6.5K-ET	GW8K-ET	GW10K-ET
Battery Input Data				
Battery Type			Li-Ion	
Nominal Battery Voltage (V)			500	
Battery Voltage Range (V)			180 ~ 600	
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)	12.5	12.5	12.5	12.5
Max. Short Circuit Current per MPPT (A)			15.2	
Number of MPP Trackers			2	
Number of Strings per MPPT			1	
AC Output Data (On-grid)				
Nominal Apparent Power Output to Utility Grid (VA)	5000	6500	8000	10000
Max. Apparent Power Output to Utility Grid (VA) ^{2,4}	5500	7150	8800	11000
Max. Apparent Power from Utility Grid (VA)	10000	13000	15000	15000
Nominal Output Voltage (V)			400 / 380, 3L / N / PE	
Nominal AC Grid Frequency (Hz)			50 / 60	
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 (VA) ³	5000 (10000@60sec)	6500 (13000@ 60sec)	8000 (16000@60sec)	10000 (16500@60sec)
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	98.00%	98.00%	98.20%	98.20%
European Efficiency	97.20%	97.20%	97.50%	97.50%
Max. Battery to AC Efficiency	97.50%	97.50%	97.50%	97.50%
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 ⁵			RS485, CAN	
Communication with Meter			RS485	
Communication with Portal			WiFi	
Weight (kg)			24	
Dimension (W x H x D mm)			415 x 516 x 180	
Topology			Non-isolated	
Self-consumption at Night (W) ⁶			<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: Peak output apparent power can be reached only if PV and battery power is enough.

*4: For Belgium, max. output apparent power(VA): GW5K-ET is 5000;

GW6.5K-ET is 6500; GW8K-ET is 8000; GW10K-ET is 10000.

*5: CAN communication is configured default.

If RS485 communication is used, please replace the corresponding communication line.

*6: No Back-up Output.

*: Please visit GoodWe website for the latest certificates.

ET Series

15-30kW | Three Phase |
Up to 3 MPPTs | Hybrid Inverter (HV)

GoodWe ET 15-30kW Series inverter is ideal for large residential or small commercial and industrial applications. As the core of the energy storage solution, the high-voltage inverters facilitate powerful energy backup and load management for optimized autonomy and reduced energy cost. The ET inverters also present peak shaving that balances power demand and grid power imported, to effectively reduce extra grid demand. Furthermore, thanks to dry contact in the inverter, external loads such as heat pumps can also be flexibly activated to optimize energy consumption. The series can be combined with a range of battery capacities and brands, including the GoodWe Lynx Home F.



Smart Control & Monitoring

- Integrated dry contact for external loads
- Peak shaving



Friendly & Thoughtful Design

- Elegant and compact design
- Plug & Play installations



Superb Safety & Reliability

- Type II SPD on DC side
- AFCI optional¹



Flexible & Adaptable Applications

- Max. 15A DC input current per string
- Up to 150% DC input oversizing

¹: Optional functions or devices are purchased separately.

Technical Data	GW15K-ET	GW20K-ET	GW25K-ET	GW29.9K-ET	GW30K-ET
Battery Input Data					
Battery Type	Li-Ion				
Nominal Battery Voltage (V)	500				
Battery voltage range (V)	200 ~ 800				
Max. Continuous Charging Current (A)	50	50	50 × 2	50 × 2	50 × 2
Max. Continuous Discharging Current (A)	50	50	50 × 2	50 × 2	50 × 2
Max. Charging Power (W)	15000	20000	12500 × 2	15000 × 2	15000 × 2
Max. Discharging Power (W)	15000	20000	12500 × 2	15000 × 2	15000 × 2
PV String Input Data					
Max. Input Power (W) ¹	22500	30000	37500	45000	45000
Max. Input Voltage (V) ²	1000				
MPPT Operating Voltage Range (V)	200 ~ 850				
Start-up Voltage (V)	200				
Nominal Input Voltage (V)	620				
Max. Input Current per MPPT (A)	30				
Max. Short Circuit Current per MPPT (A)	38				
Number of MPP Trackers	2	2	3	3	3
Number of Strings per MPPT	2 / 2	2 / 2	2 / 2 / 2	2 / 2 / 2	2 / 2 / 2
AC Output Data (On-grid)					
Nominal Apparent Power Output to Utility Grid (VA)	15000	20000	25000	29900	30000
Max. Apparent Power Output to Utility Grid (VA)	16500	22000	27500	29900	33000
Max. Apparent Power from Utility Grid (VA)	22500	30000	33000	33000	33000
Nominal Output Voltage (V)	380 / 400, 3L / N / PE				
Nominal AC Grid Frequency (Hz)	50 / 60				
Max. AC Current Output to Utility Grid (A) ⁶	25.0	33.3	41.7	49.8	50.0
Max. AC Current From Utility Grid (A)	34.0	45.0	50.0	50.0	50.0
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)	15000	20000	25000	29900	30000
Max. Output Apparent Power (VA) ³	15000 (18000@60s, 24000@3s)	20000 (24000@60s, 32000@3s)	25000 (30000@60s)	30000 (36000@60s)	30000 (36000@60s)
Max. Output Current (A)	22.7 (27.3@60s, 36.4@3s)	30.3 (36.4@60s, 48.5@3s)	37.9 (45.5@60s)	45.5 (54.5@60s)	45.5 (54.5@60s)
Nominal Output Voltage (V)	380 / 400				
Nominal Output Frequency (Hz)	50 / 60				
Output THDv (@Linear Load)	<3%				
Efficiency					
Max. Efficiency	98.0%				
European Efficiency	97.5%				
Max. Battery to AC Efficiency	97.5%				
MPPT Efficiency	99.9%				
Protection					
PV String Current Monitoring	Integrated				
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 ⁴	Integrated				
DC Surge Protection	Type II				
AC Surge Protection	Type III				
AFCI	Optional				
Rapid Shutdown	Optional				
Remote Shutdown	Integrated				
General Data					
Operating Temperature Range (°C)	-35 ~ +60				
Relative Humidity	0 ~ 95%				
Max. Operating Altitude (m)	4000				
Cooling Method	Smart Fan Cooling				
User Interface	LED, WLAN + APP				
Communication with BMS	RS485 / CAN				
Communication with Meter	RS485				
Communication with Portal	WiFi / 4G				
Weight (kg)	48	48	54	54	54
Dimension (W × H × D mm)	520 × 660 × 220				
Noise Emission (dB)	<45	<45	<45	<60	<60
Topology	Non-isolated				
Self-consumption at Night (W) ⁵	<15				
Ingress Protection Rating	IP66				
Mounting Method	Wall Mounted				

1: Max. Input Power, not continuous for 1.5 normal power.
 *2: For 1000V system, Maximum operating voltage is 950V.
 *3: Can be reached only if PV and battery power is enough.
 *4: DC Switch: GHX6-55P (for Australia).

*5: No Back-up Output.
 *6: For 400V grid, the Max. AC Current Output to Utility Grid is 23.9A for GW15K-ET, 31.9A for GW20K-ET, 39.9A for GW25K-ET, 43.3A for GW29.9K-ET, 47.8A for GW30K-ET.
 *: For 400V grid, the Nominal Output Current is 21.7A for GW15K-ET, 29.0A for GW20K-ET, 36.2A for GW25K-ET, 43.3A for GW29.9K-ET, 43.5A for GW30K-ET.
 *: Please visit GoodWe website for the latest certificates.
 *: All pictures shown are for reference only. Actual appearance may vary.