



ET PLUS+ Series

5-10kW | Three Phase Hybrid Inverter

ET PLUS+ Series integrates the 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 truly versatile quality investment piece that extends application scenarios and maximizes self-consumption ratios.



Smart Control for Smart Energy

- Smart load control
- <10ms UPS-level switching



Friendly & Thoughtful Design

- Fanless cooling for quiet operation
- Elegant and compact design



Superb Safety & Reliability

- In-built Type II SPD on DC side
- IP66 ingress protection



Flexible & Adaptable Applications

- Battery ready option
- 100% unbalanced output

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		
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)	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 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⁺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		
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)	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	98.00%	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 Chile Max. Apparent Power Output to Utility Grid (VA) and Max. Output Power (W) : GW5K(L)-ET is 5000; GW6KL-ET is 6000; GW6.5K-ET is 6500; GW8K(L)-ET is 8000; GW10K(L)-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.

*: All pictures shown are for reference only. Actual appearance may vary.