GOODWE

ET PLUS+ Series

5-10kW I 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
- In-built Type II SPD for DC
- 150% DC input oversizing
- Battery ready option
- 100% unbalanced output
- <10 ms UPS-level switching

ET PLUS+ Series

GOODWE

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	12.5/12.5	12.5/12.5
Max. Short Circuit Current per MPPT (A)	15.2/15.2			
Number of MPPTs	2			
Number of Strings per MPPT	1/1			
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 0.9 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	AFDPF + AQDPF[*5]			
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	Nature Convection			
Display	LED & APP			
Communication with BMS[*6]	RS485; CAN			
Communication with Meter	RS485			
Communication with Portal	Wi-Fi			
Weight (Kg)	24			
Dimension W×H×D (mm)	415 x 516 x 180			
Noise Emission (dB)	<30			
Topology	Non-isolated			
Self-consumption at Night (W)[*7]	<15			
Ingress Protection Rating	IP66			
Mounting Method	Wall Bracket			

[*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]: AFDPF: Active Frequency Drift with Positive Feedback, AQDPF: Active Q Drift with Positive Feedback.
[*6]: CAN communication is configured default. If RS485 communication is used, please replace the corresponding communication line.
[*7]: No Back-up Output.
*: Please visit GoodWe website for the latest certificates