



Smart Control for Smart Energy

- · <10ms UPS-level switching
- · Peak shaving



Superb Safety & Reliability

- · Built-in Type II SPD on DC side
- · IP65 ingress protection



Friendly & Thoughtful Design

- · Fanless cooling for quiet operation
- · Pre-wired communication cables



Flexible & Adaptable Applications

- · Battery ready option
- · Maximum 16A DC input current per string



Technical Data	GW3600-EH	GW5000-EH	I GW6000-EH	GW3600N-EH	GW5000N-EH	GW6000N-EH	
Battery Input Data		_					
Battery Type				lon			
Nominal Battery Voltage (V)	350						
Battery Voltage Range (V) Max. Continuous Charging Current (A)	85 ~ 460						
Max. Continuous Charging Current (A) Max. Continuous Discharging Current (A)	<u>25</u> 25						
Max. Charge Power (W)	3600	5000	6000	6000	6000	6000	
Max. Discharge Power (W)	3600	5000	6000	3600	5000	6000	
PV String Input Data							
Max. Input Power (W)	4800	6650	8000	5400	7500	9000	
Max. Input Voltage (V)	580						
MPPT Operating Voltage Range (V)	100 ~ 550						
Start-up Voltage (V) Nominal Input Voltage (V)	<u>90</u> 380						
Max. Input Current per MPPT (A)	12.5 / 12.5	12.5 / 12.5	12.5 / 12.5	16	16	16	
Max. Short Circuit Current per MPPT (A)	15.2 / 15.2	15.2 / 15.2	15.2 / 15.2	21.2	21.2	21.2	
Number of MPP Trackers				2			
Number of Strings per MPPT		,	<u>, </u>	1			
AC Output Data (On-grid)							
Nominal Apparent Power Output to Utility Grid (VA)		5000	6000	3600	5000	6000	
Max. Apparent Power Output to Utility Grid (VA)*	3600 / 3960*1	5000 / 5500 ^{*1}	6000 / 6600 ^{*1}	3600 / 3960 ^{*1}	5000 / 5500 ^{*1}	6000 / 6600 ^{*1}	
Max. Apparent Power from Utility Grid (VA)	7200	10000	12000	7200 (Charging 3.6kW,			
				Backup Output 3.6kW)	Backup Output 5kW)	Backup Output 6kW	
Nominal Output Voltage (V) Output Voltage Range (V)	230 / 220°5						
Nominal AC Grid Frequency (Hz)	0 ~ 300 50 / 60						
Max. AC Current Output to Utility Grid (A)	16 / 18 ^{*1}	21.7 / 24*1	26.1 / 28.7 ^{*1} / 27.3 ^{*6}		21.7 / 24*1	26.1 / 28.7 ^{*1} / 27.3	
Max. AC Current From Utility Grid (A)	32	43.4	52.2	32	43.4	52.2	
Nominal Output Current (A)	15.6	21.7	26.1	15.6	21.7	26.1	
Power Factor Max. Total Harmonic Distortion		A	djustable from 0.8 l.	eading to 0.8 laggi 3%	ing		
				J /6			
AC Output Data (Back-up)							
Back-up Nominal Apparent Power (VA) Max. Output Apparent Power (VA)	3600 3600 (4320@60sec)	5000 5000 (6000@60sec)	6000) 6000 (7200@60sec)	3600 3600 (4320@60sec)	5000 5000 (6000@60sec)	6000 6000 (7200@60sec	
Max. Output Apparent Fower (vA) Max. Output Current (A)	15.7	21.7	26.1	15.7	21.7	26.1	
Nominal Output Voltage (V)	230 (±2%)						
Nominal Output Frequency (Hz)	50 / 60 (±0.2%)						
Output THDv (@Linear Load)			<	3%			
Efficiency							
Max. Efficiency	97.6%						
European Efficiency	97.0%						
Max. Battery to AC Efficiency MPPT Efficiency	96.6% 99.9%						
				.5 /6			
Protection							
PV Insulation Resistance Detection Residual Current Monitoring			Integrated Integrated				
Battery Reverse Polarity Protection			Integrated				
Anti-islanding Protection			Integrated				
AC Overcurrent Protection		Integrated					
AC Short Circuit Protection AC Overvoltage Protection			Integrated Integrated				
DC Surge Protection	_	_	integ	Type II	Type II	Type II	
General Data							
Operating Temperature Range (°C)			25	× +60			
Relative Humidity				95%			
Max. Operating Altitude (m)	3000	3000	3000	2000	2000	2000	
Cooling Method				onvection			
User Interface Communication with BMS ^{*3}	LED, APP						
Communication with Birds Communication with Meter	RS485, CAN RS485						
		WiFi / Ethernet (Optional)					
Communication with Portal	17						
Weight (kg)		354 × 433 × 147					
Weight (kg) Dimension (W × H × D mm)							
Communication with Portal Weight (kg) Dimension (W × H × D mm) Noise Emission (dB)			<	35			
Weight (kg) Dimension (W × H × D mm) Noise Emission (dB) Topology			< Non-is	35 solated			
Weight (kg) Dimension (W × H × D mm) Noise Emission (dB)			< Non-is	35			
Weight (kg) Dimension (W × H × D mm) Noise Emission (dB) Topology Self-consumption at Night (W)			< Non-is < IF Wall M	35 solated 10			

^{*1:} For CEI 0-21.

*2: The grid feed in power for VDE-AR-N 4105 and NRS097-2-1 is limited 4600VA.

*3: CAN communication is configured by default. If 485 communication is used, please replace the corresponding communication line.

^{*4:} No Back-up Output.
*5: For Brazil, the voltage is 220V.
*6: For Brazil, the current is 27.3A.
*: Please visit GoodWe website for the latest certificates.