



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	GW6000-EH	GW3600N-EH	GW5000N-EH	GW6000N-EH	
Battery Input Data							
Battery Type			Li-	·lon			
Nominal Battery Voltage (V)	350						
Battery Voltage Range (V)	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				1			
AC Output Data (On-grid)							
Nominal Apparent Power Output to Utility Grid (VA)*2	3600	5000	6000	3600	5000	6000	
Max. Apparent Power Output to Utility Grid (VA)*2	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)	10000 (Charging 5kW, Backup Output 5kW)	12000 (Charging 6kW Backup Output 6kW	
Nominal Output Voltage (V)			220		Backup Output SkW)	Dackup Output okw	
Output Voltage Range (V)	230 / 220 ⁻⁵ 0 ~ 300						
Nominal AC Grid Frequency (Hz)				/ 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) Power Factor	15.6	21.7	26.1 djustable from 0.8	15.6	21.7	26.1	
Max. Total Harmonic Distortion				3%	ing		
AC Output Data (Back-up)							
Back-up Nominal Apparent Power (VA)	3600	5000	6000	3600	5000	6000	
Max. Output Apparent Power (VA)	3600 (4320@60sec)	5000 (6000@60sec)		3600 (4320@60sec)	5000 (6000@60sec)	6000 (7200@60sec	
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) Output THDv (@Linear Load)	50 / 60 (±0.2%) <3%						
				3 /0			
Efficiency				201			
Max. Efficiency European Efficiencv	97.6% 97.0%						
Max. Battery to AC Efficiency	96.6%						
MPPT Efficiency	99.9%						
Protection							
PV Insulation Resistance Detection			Inted	rated			
Residual Current Monitoring			Integrated				
Battery Reverse Polarity Protection		Integrated					
Anti-islanding Protection AC Overcurrent Protection			Integrated Integrated				
AC Short Circuit Protection		Integrated					
AC Overvoltage Protection			Integ	grated			
DC Surge Protection	-	-	-	Type II	Type II	Type II	
General Data							
Operating Temperature Range (°C)				~ +60			
Relative Humidity	2000	2000		95%	0000	0000	
Max. Operating Altitude (m) Cooling Method	3000	3000	3000 Natural C	2000 Convection	2000	2000	
User Interface	LED, APP						
Communication with BMS ^{*3}	RS485, CAN						
Communication with Meter	RS485						
Communication with Portal Weight (kg)	WiFi / Ethernet (Optional) 17						
Dimension (W × H × D mm)	354 × 433 × 147						
Noise Emission (dB)	<35						
Topology	Non-isolated						
Self-consumption at Night (W) ^{*4} Ingress Protection Rating	<10 IP65						
	Wall Mounted						
Mounting Method							

^{*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.