



Smart Control & Monitoring

- · <10ms UPS-level switching
- · Smart home integration with multi-protocol communications



Friendly & Thoughtful Design

- · Fanless cooling for quiet operation
- · Elegant and compact design



Superb Safety & Reliability

- · IP65 ingress protection
- · Quality and robust components



Flexible & Adaptable Applications

- · Strong backup power supply
- · Wide battery voltage range 85~460V



Technical Data	GW3k-BH	GW3600-BH	GW5000-BH	GW6000-BH
Battery Input Data				
Battery Type	Li-lon			
Nominal Battery Voltage (V)		35	60	
Battery Voltage Range (V)	85 ~ 400	85 ~ 460	85 ~ 460	85 ~ 460
Start-up Voltage (V)		8	5	
Number of Battery Input		1		
Max. Continuous Charging Current (A)	32	25	25	25
Max. Continuous Discharging Current (A)	32	25	25	25
Max. Charging Power (W)	3000	3600	5000	6000
Max. Discharging Power (W)	3300	4000	5500	6600
AC Output Data (On-grid)				
Nominal Output Power (W)	3000	3600	5000	6000
Nominal Apparent Power Output to Utility Grid (VA)*1	3000	3600	5000	6000
Max. Apparent Power Output to Utility Grid(VA)*1	3000	3600	5000	6000
Max. Apparent Power from Utility Grid (VA)	6000 (Charging 3kW, Backup Output 3kW)	7200 (Charging 3.6kW, Backup Output 3.6kW)	10000 (Charging 5kW, Backup Output 5kW)	12000 (Charging 6k\ Backup Output 6k\
Nominal Output Voltage (V)	230			
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)	13.1	16.0	21.7	26.1
Max. AC Current From Utility Grid (A)	26.2	32.0	43.4	52.2
Power Factor Max. Total Harmonic Distortion		Adjustable from 0.8 le		
	<3%			
AC Output Data (Back-up)				
Back-up Nominal Apparent Power (VA)	3000	3600	5000	6000
Max. Output Apparent Power without Grid (VA) Max. Output Apparent Power with Grid (VA)	3000 (3600@60sec)	3600 (4320@60sec)	5000 (6000@60sec)	6000 (7200@60sec
Max. Output Apparent Power with Grid (VA) Max. Output Current (A)	3000 13.1	3600 15.7	5000 21.7	6000 26.1
Nominal Output Voltage (V)	230 (±2%)			
Nominal Output Frequency (Hz)		50 / 60 (
Output THDv (@Linear Load)	<3%			
Efficiency				
Max. Efficiency	96.6%			
European Efficiency	96.0%			
Max. Battery to AC Efficiency	96.6%			
Protection				
PV Insulation Resistance Detection		Integ	rated	
Residual Current Monitoring	Integrated Integrated			
	Integrated			
Battery Reverse Polarity Protection	Integrated			
			rated	
Anti-islanding Protection				
Anti-islanding Protection AC Overcurrent Protection		Integ	rated	
Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection		Integ Integ	rated rated	
Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection		Integ Integ Integ	rated rated	
Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data		Integ Integ Integ	rated rated rated	
Anti-Islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C)		Integ Integ Integ	rated rated rated +60	
Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m)		Integ Integ Integ Integ	rated rated rated +60 95%	
Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m)		Integ Integ Integ Integ 25 ~ 0 ~ 9 300 Natural Co	rated rated rated +60 95% 1013 onvection	
Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m) Cooling Method User Interface		Integ Integ Integ Integ 25 ~ 0 ~ 5 300 Natural Co	+60 95% 100°3 pnyection APP	
Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m) Cooling Method User Interface Communication with BMS		Integ	+60 95% 00°3 pnyection APP	
Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m) Cooling Method User Interface Communication with BMS Communication with Meter		Integ	+60 95% 100°3 ponvection APP	
Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m) Cooling Method User Interface Communication with BMS Communication with Meter Communication with Portal		Integ	rated rated rated +60 -95% -95% -90°3 -ponvection APP -NN	
Anti-Islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m) Cooling Method User Interface Communication with BMS Communication with Meter Communication with Portal Weight (kg)		Integ	rated rated rated +60 -55% -50° -50° -60° -60° -60° -60° -60° -60° -60° -6	
Anti-Islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m) Cooling Method User Interface Communication with BMS Communication with Meter Communication with Portal Weight (kg) Dimension (W × H × D mm)		Integ Integ	rated rated rated +60 -95% -00°3 -onvection APP -NN -485 -et (Optional) -5 -5 -53 × 147	
Anti-Islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m) Cooling Method User Interface Communication with BMS Communication with Meter Communication with Portal Weight (kg) Dimension (W x H x D mm) Noise Emission (dB)		Integ Integ	rated rated rated +60 -95% -00° convection APP NN 185 -et (Optional) .5 -13 × 147	
Battery Reverse Polarity Protection Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m) Cooling Method User Interface Communication with BMS Communication with Meter Communication with Portal Weight (kg) Dimension (W × H × D mm) Noise Emission (dB) Topology Self-peopularity Protection		Integ Integ	rated rated rated +60 -95% -00°3 -0nvection APP -un	
Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection General Data Operating Temperature Range (°C) Relative Humidity Max. Operating Altitude (m) Cooling Method User Interface Communication with BMS Communication with Meter Communication with Portal Weight (kg) Dimension (W x H x D mm) Noise Emission (dB)		Integ Integ	rated rated rated +60 -95% -013 -014 -015 -014 -015 -015 -015 -015 -015 -015 -015 -015	

^{*1:} For GW5000-BH and GW6000-BH, the grid feed in power for VDE-AR-N 4105 and NRS097-2-1 is limited 4600VA.

*2: No Back-up Output.

*3: 2000m for Australia.

*: Please visit GoodWe website for the latest certificates.