

BH Series (AC-Coupled)

Single Phase AC Retrofit Inverter (HV Battery)



Technical Data		GW1000-BH	GW2000-BH	GW3000-BH	GW3K-BH	GW3600-BH	GW5000-BH	GW6000-BH
Battery Input Data	Battery Type	Li-Ion			Li-Ion			
	Battery Voltage Range (V)	80~400			85~400	85~460		
	Start-up Voltage (V)	80			90			
	Max. Charging/Discharging Current (A)	13	15	15	32/32	25/25		
	Charging /Discharging Strategy for Li-Ion Battery	Self-adaption to BMS			NA			
AC Output Data /Input Data (On-grid)	Nominal Power Output to Utility Grid (W)	1000	2000	3000	3000	3600	5000	6000
	Max. Apparent Power Output to Utility Grid (VA)	1000	2000	3000	3000/3300*1	3600/3960*1	5000/5500*1	6000/6600*1
	Max. Apparent Power from Utility Grid (VA)	NA	NA	NA	6000(Charging 3kw, back-up output 3kw)	7200(Charging 3.6kw, back-up output 3.6kw)	10000(Charging 5kw, back-up output 5kw)	12000(Charging 6kw, back-up output 6kw)
	Nominal Output Voltage (V)	230			230			
	Nominal Output Frequency (Hz)	50/60			50/60			
	Max. AC Current Output to Utility Grid (A)*2	5	10	13.5	13.1/14.3*1	16/18*1	21.7/24*1	26.1/28.7*1
	Max. AC Current from Utility Grid (A)	NA			26.2	32	43.4	52.2
	Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			~1 (Adjustable from 0.8 leading to 0.8 lagging)			
	Output THDi (@Nominal Output)	<3%			<3%			
	Output Data (Back-up)	Max. Output Apparent Power (VA)				3000	3600	5000
Peak Output Apparent Power (VA)					3600, 60SEC	4320, 60SEC	6000, 60SEC	7200, 60SEC
Max. Output Current (A)					13.1	15.7	21.7	26.1
Automatic Switch Time (ms)		No Back-up			<10			
Nominal Output Voltage (V)					230 (±2%)			
Nominal Output Frequency (Hz)					50/60 (±0.2%)			
Output THDv (@Linear Load)					<3%			
Efficiency	Max. Efficiency	96.0%	96.5%	96.5%	96.6%			
Protection	Anti-Islanding Protection	Integrated			Integrated			
	Battery Input Reverse Polarity Protection	Integrated			Integrated			
	Insulation Resistor Detection	Integrated			Integrated			
	Residual Current Monitoring Unit	Integrated			Integrated			
	Output Over Current Protection	Integrated			Integrated			
	Output Short Protection	Integrated			Integrated			
	Output Over Voltage Protection	Integrated			Integrated			
General Data	Operating Temperature Range (°C)	-25~60			-35~60			
	Relative Humidity	0~95%			0~95%			
	Operating Altitude (m)	≤4000			4000			
	Cooling	Natural Convection			Natural Convection			
	Noise (dB)	<25			<35			
	User Interface	LED & APP			LED & APP			
	Communication with BMS	CAN			CAN			
	Communication with Meter	RS485			RS485			
	Communication with Portal	Wi-Fi/Ethernet			Wi-Fi/Ethernet (Optional)			
	Weight (kg)	8.5			15.5			
	Size (Width*Height*Depth mm)	344*274.5*128			354*433*147			
	Mounting	Wall Bracket			Wall Bracket			
	Protection Degree	IP65			IP65			
Standby Self-Consumption (W)*3	<15			<10				
Topology	Battery Non-Isolation			Battery Non-Isolation				

*1: For CEI 0-21.

*2: The grid feed in power for VDE-AR-N 4105 and NRS097-2-1 is limited 4600VA, for AS/NZS 4777.2 is limited 4950 VA & 21.7A.

*3: No Back-up Output.

*: Please visit GoodWe website for the latest certificates.