

A-BP Series (AC-Coupled)

AC Retrofit Inverter (HV Battery)



Technical Data	GW5000A-BP	GW6000A-BP	GW7000A-BP	GW7600A-BP	GW8600A-BP	GW9600A-BP
Battery Input Data						
Battery Type	Li-Ion					
Battery Voltage Range (V) *1	80~495					
Max. Charging Current (A)	50					
Max. Discharging Current (A)	50					
Charging Strategy for Li-Ion Battery	Self-adaption to BMS					
AC Output Data (On-grid)						
Output Voltage Range (Vac)	211 to 264 @240					
Nominal Output Frequency (Hz)	60					
Max. Apparent Power Output to Grid (VA)	5000	6000	7000	7600	8600	9600
Max. Apparent Power from Grid (VA)	6000	7200	8400	9120	9600	9600
Max. AC Current Output to Grid (A)	20.8	25	29.2	31.7	35.8	40
Max. AC Current From Grid (A)	25	30	35	38	40	40
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)					
Output THDi (@Nominal Output)	<3%					
AC Output Data (Back-up)						
Nominal Output Voltage L1-L2/L-N (Vac)	240/120					
Nominal Output Frequency (Hz)	60					
Output THDv (@Linear Load)	<3%					
Max. Output Apparent Power@240V (VA)	5000	6000	7000	7600	8600	9600
Peak Output Apparent Power @240V (VA) *2	6000, 60sec	7200, 60sec	8400, 60sec	9120, 60sec	10320, 60sec	11520, 60sec
Max. Continuous Output Current@240V (A)	20.8	25	29.2	31.7	35.8	40
Efficiency						
Battery Charge/discharge to AC Max. Efficiency	96.6%					
CEC Efficiency	96.1%					
Protection						
Anti-islanding Protection	Integrated					
Insulation Resistor Detection	Integrated					
Residual Current Monitoring Unit	Integrated					
Output Over Current Protection	Integrated					
Back-up Output Short Protection	Integrated					
Output Over Voltage Protection	Integrated					
Battery Input Reverse Polarity Protection	Integrated					
General Data						
Operating Temperature Range	-31°F~140°F (-35°C~60°C)					
Relative Humidity	0~95%					
Operating Altitude	≤13123ft (4000m)					
Cooling	Intelligent Fan					
Noise (dB)	<45					
User Interface	LED & APP (WiFi, Bluetooth)					
Communication with BMS	RS485; CAN					
Communication with Meter	RS485					
Communication with EMS	RS485 (Insulated)					
Communication with Portal	Wi-Fi; LAN (Optional)					
Weight	62.8lb (28.5kg)			70.5lb (32kg)		
Size (Width*Height*Depth)	16.3in*31.1in*6.9in (415mm*791mm*175mm)					
Mounting	Wall Bracket					
Protection Degree	NEMA Type 4X					
Standby Self Consumption (W) *3	<20					
Topology	Transformerless					

*1: Battery discharge/charge power limited by voltage. When A-BP is in microgrid application, the maximum battery voltage is 405V.

*2: Can be reached only if battery power is enough

*3: No Back-up Output

*: Please visit GoodWe website for the latest certificates.