

Back Up & Upgrade Your Savings

SBP Series

AC-Coupled Retrofit Solution

3.6KW

5.0KW

The GoodWe SBP series is the world's first AC-coupled battery storage retrofit solution with UPS function for both single-phase and three-phase systems. It can effectively upgrade any existing string inverter system by adding battery backup. Capable of being either grid-interactive or independent, it allows users to store surplus power and sell it back to the grid when demand peaks and the price of electricity is at its highest.



Single & Three
Phase Systems



IP65

UPS

Uninterruptible
Power Supply



100A



Remote Upgrade



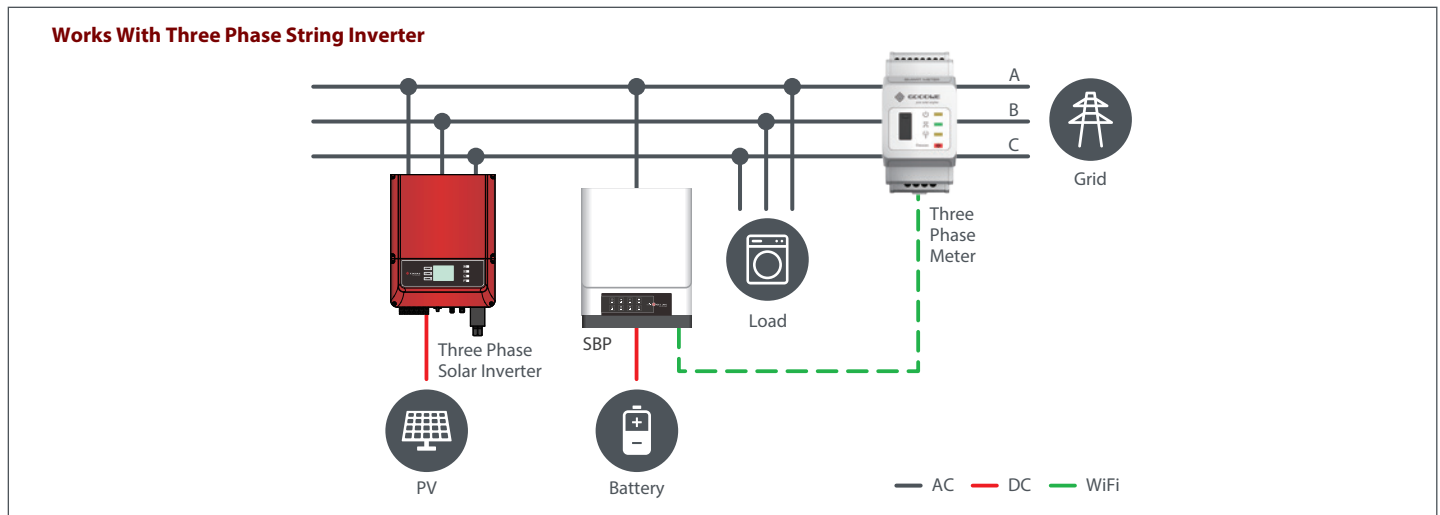
Technical Data

Model	Max. Charging Current (A)*1	Max. Discharging Current (A)*1	Nominal Power Output (W)	Max. Apparent Power Output (VA)*4	Max. Apparent Power Input (VA)
GW3600S-BP	75	75	3680	3680	7360
GW5000S-BP	100	100	5000*3	5000	9200

Model	Max. AC Current Output (A)	Max. AC Current Input (A)	Max. Output Apparent Power (VA)*6	Peak Output Apparent Power (VA)*6	Max. Output Current (A)
GW3600S-BP	16	32	3680	4416, 10sec	16
GW5000S-BP	22.8*5	40	5000	5500, 10sec	22.8

Battery Input Data		AC Output Data (On-grid)	
Battery Type*1	Li-Ion or Lead-acid	Nominal Output Voltage (V)	230
Nominal Battery Voltage (V)	48	Nominal Output Frequency (Hz)	50/60
Max. Charging Voltage (V)	≤60 (Configurable)	Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)
Battery Capacity (Ah)*2	50~2000	Output THDi (@Nominal Output)	<3%
Charging Strategy for Li-Ion Battery	Self-adaption to BMS		
AC Output Data (Back-up)		General Data	
Automatic Switch Time (ms)	<10	Operating Temperature Range (°C)	-25~60
Nominal Output Voltage (V)	230 (±2%)	Relative Humidity	0~95%
Nominal Output Frequency (Hz)	50/60 (±0.2%)	Operating Altitude (m)	≤4000
Output THDv (@Linear Load)	<3%	Cooling	Natural Convection
Efficiency		Noise (dB)	<25
Max. Efficiency	95.5%	User Interface	LED & APP
Protection		Communication with BMS	RS485; CAN
Anti-islanding Protection	Integrated	Communication with Meter	RS485
Output Over Current Protection	Integrated	Communication with Portal	Wi-Fi
Output Short Protection	Integrated	Weight (kg)	18.5
Output Over Voltage Protection	Integrated	Size (Width*Height*Depth mm)	347*432*190
		Mounting	Wall Bracket
		Protection Degree	IP65
		Standby Self Consumption (W)	<15
		Topology	High Frequency Isolation

Certifications & Standards	
Grid Regulation	AS/NZS 4777.2:2015, G83/2, G100, CEI 0-21, RD1699, UNE206006, VDE4105-AR-N, VDE0126-1-1, EN50438
Safety	IEC62477-1, IEC62040-1
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-4-16, EN 61000-4-18, EN 61000-4-29



*1: lead acid battery use refers to battery compatible statement(Not all lead acid batteries are compatible)
 The actual charge and discharge current also depends on the battery
 *2: Battery capacity could be not less than 100Ah where the back-up function is to be applied.
 *3: 4600 for VDE0126-1-1&VDE-AR-N 4105 and CEI 0-21
 *4: For CEI 0-21 GW3648-EM is 4050, GW5048-EM is 5100; for VDE-AR-N4105 GW5048-EM is 4600
 *5: 21.7A for AS4777.2
 *6: Can be reached only if battery capacity is enough, otherwise will shut down.
 *7: The standard configuration is CAN