GOODWE
YOUR SOLAR ENGINE

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

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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 From Utility Grid (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 From Utility Grid (A)	Max. Output Apparent Power (VA)*6	Peak Output Apparent Power (VA)*6 [Back-up]	Max. Output Current (A) [Back-up]
GW3600S-BP	16	32	3680	4416, 10sec	16
GW5000S-BP	22.8*5	40	5000	5500, 10sec	22.8

Battery Input Data

Battery Type	Li-Ion or Lead-acid*1
Nominal Battery Voltage (V)	48
Max. Charging Voltage (V)	≤60 (Configurable)
Battery Capacity (Ah)*2	50~2000
Charging Strategy for Li-Ion Battery	Self-adaption to BMS

AC Output Data (On-grid)

Nominal Output Voltage (V)	230
Nominal Output Freqency (Hz)	50/60
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)
Output THDi (@Nominal Output)	<3%

AC Output Data (Back-up)

Automatic Switch Time (ms)	<10
Nominal Output Voltage (V)	230 (±2%)
Nominal Ouput Frequency (Hz)	50/60 (±0.2%)
Output THDv (@Linear Load)	<3%

General Data

Operating Temperature Range (°C)	-25~60
Relative Humidity	0~95%
Operating Altitude (m)	≤4000
Cooling	Natural Convection
Noise (dB)	<25
User Interface	LED & APP
Communication with BMS*7	RS485; CAN
Communication with Meter	RS485
Communicaiton with Portal	Wi-Fi
Weight (kg)	18.5
Size (Width*Height*Depth mm)	347*432*190
Mounting	Wall Bracket
Protection Degree	IP65
Standby Self Consumption (W)	<15
Topology	High Frequency Isolation

Efficiency

Max. Efficiency	95.5%

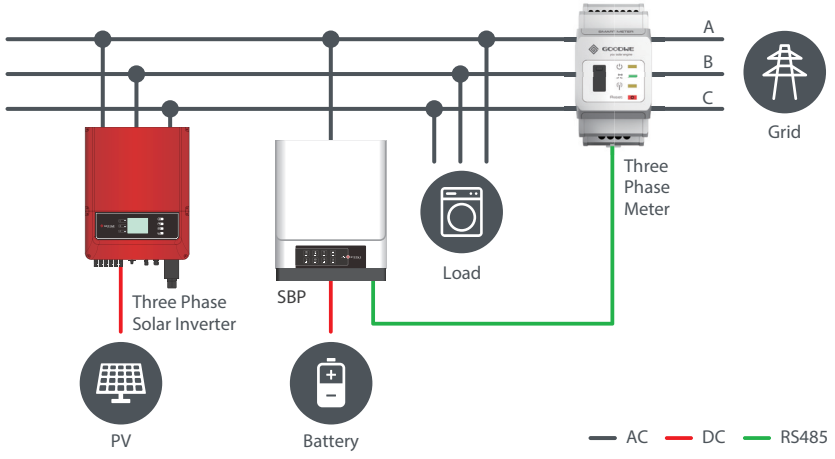
Protection

Anti-islanding Protection	Integrated
Output Over Current Protection	Integrated
Output Short Protection	Integrated
Output Over Voltage Protection	Integrated

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

Works With Three Phase String Inverter



*1: Lead-acid battery use refers to Approved Battery Options Statement .
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 GW3600S-BP is 4050, GW5000S-BP is 5100; for VDE-AR-N4105 GW5000S-BP 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.