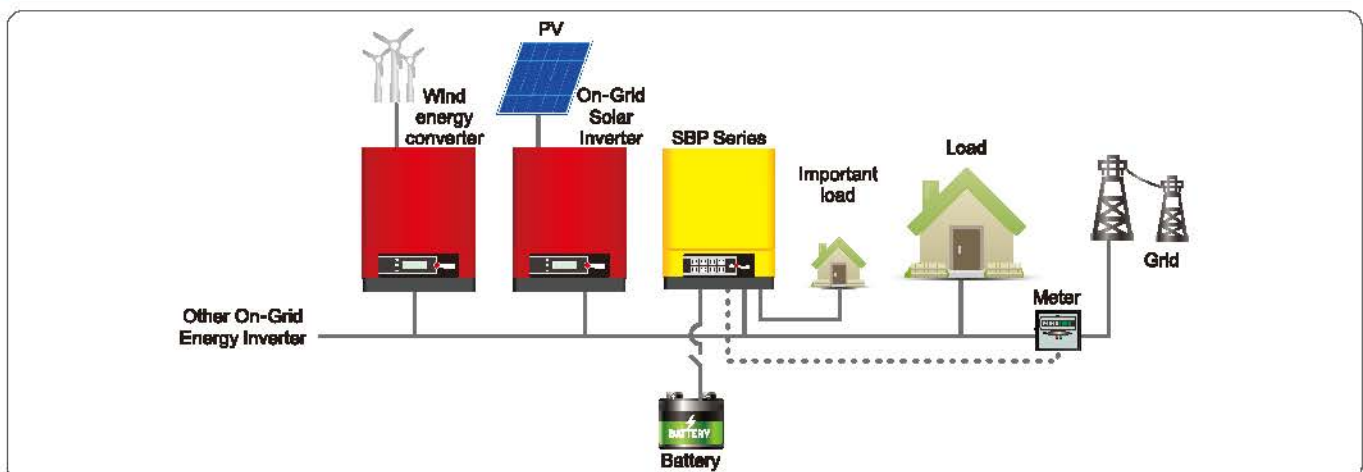




**SBP Series  
Hybrid Inverter  
3.6/5.0kW**

- Fanless low-noise design
- IP65 dust-proof and water-proof, suitable for outdoor work
- Maximum charge and discharge is up to 100A
- Automatic backup function, automatic switch time less than 10ms
- Total harmonic voltage distortion below 3% with inductive load
- Working ambient temperature range from -25~60°C
- Compatible with lithium cell and lead acid cell, isolated from AC electrical, which is safe and reliable
- Wireless monitoring and communication, flexible control through APP, which makes it easier to view data at any time.
- EzMeter can be used for detection of single-phase or three-phase inverter

## SBP Storage System



## Technical Data

### GW3600S-BP

### GW5000S-BP

Battery Input Data		
Battery Type	Li-Ion or Lead-acid	Li-Ion or Lead-acid
Nominal Battery Voltage (V)	48	48
Max. Charging Voltage (V)	60 (Configurable)	60 (Configurable)
Max. Charging Current (A)*	75	100
Max. Discharging Current (A)*	75	100
Battery Capacity (Ah)**	100~2000	100~2000
Charging Mode for Li-Ion Battery	Self-adaption to BMS	Self-adaption to BMS
Charging Mode for Lead-acid Battery	3-stage adaptive with maintenance	3-stage adaptive with maintenance
AC Output Data (On-grid)		
Nominal Apparent Power Output to Utility Grid (VA)	3600	5000
Max. Apparent Power Output to Utility Grid (VA)	3600	5000
Max. Apparent Power from Utility Grid (VA)	7360	9200
Nominal Output Voltage (V)	220/230	220/230
Nominal Output Frequency (Hz)	50/60	50/60
Max. AC Current Output to Utility Grid (A)	16	22.8***
Max. AC Current From Utility Grid (A)	32	40
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	<3% @Nominal Output	<3% @Nominal Output
AC Output Data (Back-up)		
Max. Output Apparent Power (VA)****	3600	5000
Peak Output Apparent Power (VA)****	4320, 10sec	5500, 10sec
Automatic Switch Time(ms)	<10	<10
Nominal Output Voltage (V)	220/230 (+/-2%)	220/230 (+/-2%)
Nominal Output Frequency (Hz)	50/60 (+/-0.2%)	50/60 (+/-0.2%)
Max. Output Current (A)	16	22.8
Output THDv(linear load)	<3%	<3%
Efficiency		
Max. Efficiency	95.5%	95.50%
Protection		
Anti-islanding Protection	Integrated	Integrated
DC SPD Protection	-	-
AC SPD Protection	-	-
Output Over Current Protection	Integrated	Integrated
Output Short Protection	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated
General Data		
Operate Temperature Range (°C)	-25~60	-25~60
Relative Humidity	0~95%	0~95%
Operate Altitude (m)	4000	4000
Cooling	Nature Convection	Nature Convection
Noise (dB)	<25	<25
User Interface	LED & APP	LED & APP
Communication	USB; RS485; CAN; WIFI	USB; RS485; CAN; WIFI
Weight (KG)	18.5	18.5
Size (Width*Height*Depth mm)	347*432*190	347*432*190
Mounting	Wall Bracket	Wall Bracket
Protection Degree	IP65	IP65
Night Self Consumption (W)	<10	<10
Topolog	Transformer	Transformer
Certifications & Standards		
Grid Regulation	AS4777.2, G83/G100,CEI0-21	AS4777.2, G59/G100,CEI0-21
Safety Regulation	IEC62477, IEC62040	IEC62477, IEC62040
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12

\*:For lead-acid battery, default charge current is 0.15C, which is can be configurable up to 0.5C by APP EzManage and cannot exceed 75A/100A.

C means the battery capacity, such as the battery capacity is 100Ah, default charge current 0.15C is 0.15 \* 100A = 15A.

For Li-Ion battery, discharge and charge current follows the command of BMS which doesn't exceed 100A."

\*\*Under off-grid mode, battery capacity should be more than 100 Ah. Under on-grid mode, battery capacity could be less than 100 Ah.

\*\*\*: 21.7A for AS4777.2.

\*\*\*\*: Can be reached only if use Lead-acid or LI-Ion battery output power is greater than the load power, otherwise will shut down.

**Good Quality Good Value Good Service GoodWe**