

# عزز & حدث وفر

## SBP Series

AC-Coupled Retrot Solution

3.6KW

5.0KW

The GoodWe SBP series هو عاكس بطارية تخزين مزدوجة لل AC الاول من نوعه في العالم الذي ينطبق على كل من نظام فاز واحد و نظام ثلاثة فاز . يمكنه التحكم في تدفق الطاقه ب ذكاء خلال النهار , حيث يستطيع تحميل الكهرباء الى البطاريه ثم الفائض الى شبكة الكهرباء , كما يتم تحميل الطاقه من البطاريه عندما يتطلب الامر ذلك خلال الليل , مع قدرة UPS , يمكن أيضا أن يتم شحن البطارية من قبل الشبكة لضمان إمدادات دون انقطاع في حالة انقطاع التيار الكهربائي

يطبق على نظام  
ثلاث فاز



IP65



إمدادات الطاقة  
غير المنقطعة

UPS

100A



التحديث عن بعد



## 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 Frequency (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 Output 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
Communication 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%
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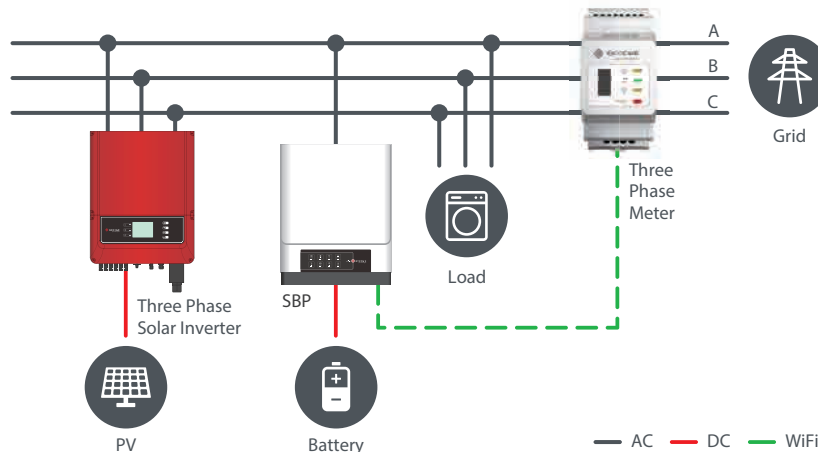
### Protection

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

### 3 bước hoạt động của biến tần



\*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 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.