




## Retrofit inverter for optimised solar energy back-up

- ✓ Optimised energy autonomy
- ✓ Smart and efficient operations
- ✓ Modern and compact design
- ✓ Highest safety standards

Ideal for solar power system upgrades and retrofit projects, the SBP G2 battery inverter is installed on the AC-side of the on-grid inverter and can be combined with a range of battery capacities, including GoodWe low-voltage battery series Lynx Home U. By facilitating maximum back-up of generated solar energy, house owners can achieve a high degree of autonomy.

-  UPS level switching <math>< 10\text{ms}</math>
-  Wide battery voltage range
-  Parallel connection



Technical Data	GW3600-SBP-20	GW5000-SBP-20	GW6000-SBP-20
<b>Battery Input Data</b>			
Battery Type <sup>1</sup>		Li-Ion	
Nominal Battery Voltage (V)		48	
Battery Voltage Range (V)		40 ~ 60	
Start-up Voltage (V)		40	
Number of Battery Input		1	
Max. Continuous Charging Current (A) <sup>1</sup>	75	120	120
Max. Continuous Discharging Current (A) <sup>1</sup>	75	120	120
Max. Charging Power (W) <sup>1</sup>	3600	5000	6000
Max. Discharging Power (W)	3900	5300	6300
<b>AC Output Data (On-grid)</b>			
Nominal Output Power (W)	3680	5000	6000
Nominal Apparent Power Output to Utility Grid (VA)	3680	5000 <sup>2</sup>	6000 <sup>2</sup>
Max. Apparent Power Output to Utility Grid (VA)	3680	5000 <sup>2</sup>	6000 <sup>2</sup>
Max. Apparent Power from Utility Grid (VA)	7360	10000	10000
Nominal Output Voltage (V)		220 / 230 / 240	
Nominal AC Grid Frequency (Hz)		50 / 60	
Max. AC Current Output to Utility Grid (A)	16.7	22.7	27.3
Max. AC Current From Utility Grid (A)	33.5	43.5	43.5
Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max. Total Harmonic Distortion		<3%	
<b>AC Output Data (Back-up)</b>			
Back-up Nominal Apparent Power (VA)	3680	5000	6000
Max. Output Apparent Power without Grid (VA)	3680 (7360@10sec)	5000 (10000@10sec)	6000 (10000@10sec)
Max. Output Apparent Power with Grid (VA)	3680	5000	6000
Max. Output Current (A)	16.7	22.7	27.3
Nominal Output Voltage (V)		220 / 230 / 240	
Nominal Output Frequency (Hz)		50 / 60	
Output THDv (@Linear Load)		<3%	
<b>Efficiency</b>			
Max. Battery to AC Efficiency		95.5%	
<b>Protection</b>			
Residual Current Monitoring		Integrated	
Anti-islanding Protection		Integrated	
AC Overcurrent Protection		Integrated	
AC Short Circuit Protection		Integrated	
AC Overvoltage Protection		Integrated	
AC Surge Protection		Type III	
Remote Shutdown		Integrated	
<b>General Data</b>			
Operating Temperature Range (°C)		-25 ~ +60	
Relative Humidity		0 ~ 95%	
Max. Operating Altitude (m)		3000 (>2000 derating)	
Cooling Method		Natural Convection	
User Interface		LED, WLAN + APP	
Communication with BMS		CAN	
Communication with Meter		RS485	
Communication with Portal		WiFi / WiFi + LAN / 4G	
Weight (kg)	19.2	19.5	19.5
Dimension (W x H x D mm)		505.9 x 434.9 x 154.8	
Topology		Isolated	
Self-consumption at Night (W)		<10	
Ingress Protection Rating		IP65	
Mounting Method		Wall Mounted	

<sup>1</sup>: The actual charge and discharge current/power also depends on the battery.

<sup>2</sup>: 4600 for VDE-AR-N4105 & NRS 097-2-1.

\*: Please visit GoodWe website for the latest certificates.