




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
Battery Input Data			
Battery Type ¹		Li-Ion	
Nominal Battery Voltage (V)		48	
Battery Voltage Range (V)		40 ~ 60	
Max. Continuous Charging Current (A) ¹	75	120	120
Max. Continuous Discharging Current (A) ¹	75	120	120
Max. Charging Power (W) ¹	3600	5000	6000
Max. Discharging Power (W)	3900	5300	6300
AC Output Data (On-grid)			
Nominal Apparent Power Output to Utility Grid (VA)	3680	5000 ²	6000 ²
Max. Apparent Power Output to Utility Grid (VA)	3680	5000 ²	6000 ²
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%		
AC Output Data (Back-up)			
Back-up Nominal Apparent Power (VA)	3680	5000	6000
Max. Output Apparent Power (VA)	3680 (7360@10sec)	5000 (10000@10sec)	6000 (10000@10sec)
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%	
Efficiency			
Max. Battery to AC Efficiency	95.5%		
Protection			
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		
General Data			
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 × H × D mm)	505.9 × 434.9 × 154.8		
Topology	Isolated		
Self-consumption at Night (W)	<10		
Ingress Protection Rating	IP65		
Mounting Method	Wall Mounted		

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

*2: 4600 for VDE-AR-N4105 & NRS 097-2-1.

*: Please visit GoodWe website for the latest certificates.