## GOODWE





Capable of being grid-interactive



Suitable for both single-phase & three-phase systems



Export control (zero export)



Smart BMS – Max. discharge power up to 5kW



8ms UPS-level Switching



Technical Data	GW5000S-BP
Battery Input Data	
Battery Type <sup>-1</sup>	Li-lon
Nominal Battery Voltage (V)	48
Battery Voltage range (V)	40 ~ 60
Max. Continuous Charging Current (A) <sup>11</sup>	100
Max. Continuous Discharging Current (A)*1	100
Max. Charging Power (W)	4700
Max. Discharging Power (W)	5300
AC Output Data (On-grid)	
Nominal Apparent Power Output to Utility Grid (VA)	5000
Max. Apparent Power Output to Utility Grid (VA)*2	5000
Max. Apparent Power from Utility Grid (VA)	9200
Nominal Output Voltage (V)	230
Output Voltage Range (V)	0 ~ 300
Nominal AC Grid Frequency (Hz)	50 / 60
Max. AC Current Output to Utility Grid (A)	22.8
Max. AC Current From Utility Grid (A)	40
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)
Max. Total Harmonic Distortion	<3%
AC Output Data (Back-up)	
	F000
Back-up Nominal Apparent Power (VA)	5000
Max. Output Apparent Power (VA)*3	5000 (5500@10sec)
Max. Output Current (A)	22.8
Nominal Output Voltage (V)	230
Nominal Output Frequency (Hz)	50 / 60 (±0.2%)
Output THDv (@Linear Load)	<3%
Efficiency	
Max. Efficiency	95.5%
European Efficiency	94.0%
Max. Battery to AC Efficiency	95.5%
Protection	
Anti-islanding Protection	AFDPF + AQDPF <sup>*4</sup>
AC Overcurrent Protection	Integrated
AC Short Circuit Protection	Integrated
AC Overvoltage Protection	Integrated
General Data	
Operating Temperature Range (°C)	-25 ~ 60
Relative Humidity	0 ~ 95%
Max. Operating Altitude (m) <sup>6</sup>	4000
Cooling Method	Nature Convection
Display	LED & APP
Communication with BMS <sup>*5</sup>	RS485; CAN
Communication with Meter	RS485
Communication with Portal	Wi-Fi
Weight (kg)	18.5
Dimension (W × H × D mm)	347 × 432 × 190
Simonoson (W ATTA D ITIN)	<25
Noise Emission (dB)	\CU
Noise Emission (dB)	
Topology	Non-isolated
Topology Self-consumption at Night (W)	Non-isolated <15
Noise Emission (dB) Topology Self-consumption at Night (W) Ingress Protection Rating Mounting Method	Non-isolated

<sup>\*1:</sup> The actual charge and discharge current also depends on the battery.
\*2: For CEI 0-21 GW3600S-BP is 4050, GW5000S-BP is 5100; For VDE-AR-N4105 GW5000S-BP is 4600.

<sup>\*3:</sup> Can be reached only if battery capacity is enough, otherwise will shut down.

\*4: AFDPF: Active Frequency Drift with Positive Feedback, AQDPF: Active Q Drift with Positive Feedback.

<sup>\*5:</sup> CAN communication is configured by default. If 485 communication is used, please replace the corresponding communication line.

<sup>\*6: 2000</sup>m for Australia.

\*5: Battery capacity could be not less than 100Ah where the back-up function is to be applied.

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