

SBP Series (AC-Coupled)

Single Phase AC Retrofit Storage Solution (LV Battery)



| Technical Data | | GW3600S-BP | GW5000S-BP |
|---------------------------------------|---|---|--|
| Battery Input Data | Battery Type | Li-Ion | |
| | Nominal Battery Voltage (V) | 48 | |
| | Max. Charging Voltage (V) | ≤60 (Configurable) | |
| | Max. Charging Current (A) | 75 | 100 |
| | Max. Discharging Current (A) | 75 | 100 |
| | Battery Capacity (Ah)*1 | 50~2000 | |
| | Charging Strategy for Li-Ion Battery | Self-adaption to BMS | |
| AC Output Data (On-grid) | Nominal Power Output to Utility Grid (W) | 3680 | 5000 |
| | Max. Apparent Power Output to Utility Grid (VA) | 3680 | 5000 |
| | Max. Apparent Power from Utility Grid (VA) | 7360 | 9200 |
| | Nominal Output Voltage (V) | 230 | |
| | Nominal Output Frequency (Hz) | 50/60 | |
| | Max. AC Current Output to Utility Grid (A) | 16 | 21.7 |
| | Max. AC Current from Utility Grid (A) | 32 | 40 |
| | Output Power Factor | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | |
| | Output THDi (@Nominal Output) | <3% | |
| AC Output Data (Back-up) | Max. Output Apparent Power (VA) ^{†3} | 3680 | 5000 |
| | Peak Output Apparent Power (VA) ^{†3} | 4416, 10sec | 5500, 10sec |
| | Automatic Switch Time (ms) | <10 | |
| | Nominal Output Voltage (V) | 230 (±2%) | |
| | Nominal Output Frequency (Hz) | 50/60 (±0.2%) | |
| | Max. Output Current (A) | 16 | 22.8 |
| | Output THDv (@Linear Load) | <3% | |
| Efficiency | Max. Efficiency | 95.5% | |
| Protection | Anti-Islanding Protection | Integrated | |
| | Output Over Current Protection | Integrated | |
| | Output Short Protection | Integrated | |
| | Output Over Voltage Protection | Integrated | |
| General Data | Operating Temperature Range (°C) | -25~60 | |
| | Relative Humidity | 0~95% | |
| | Operating Altitude (m) | 4000 | |
| | Cooling | Nature Convection | |
| | Noise (dB) | <25 | |
| | User Interface | LED & APP | |
| | Communication with BMS ^{‡3} | 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 | | |
| Certifications & Standards | Grid Regulation | AS/NZS 4777.2:2015, G83/2, G100, CEI 0-21; RD1699; UNE206006; VDE4105-AR-N; VDE0126-1-1; EN50438 | AS/NZS 4777.2:2015, G59/3, G100, CEI 0-21; RD1699; UNE206006; VDE4105-AR-N; VDE0126-1-1; EN50438 |
| | Safety Regulation | 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 | |

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

*2: Can be reached only if battery capacity is enough, otherwise will shut down.

*3: The standard configuration is CAN.