

SBP4K8

48V Lithium ion Battery

SUNGROW

Clean power for all



INNOVATIVE AND RELIABLE

- High reliability and safety with prismatic cells from Samsung
- Robust BMS provides multi-protection at both cell level and system level
- Over 95% depth of discharge to maximise the usable capacity



EASY INSTALLATION

- Suitable for both free-standing and wall-mountable installation
- Simple setup for multiple batteries
- One-click online firmware update



INTELLIGENT MANAGEMENT

- Remote monitoring of battery status with App and web portal
- Smart hibernation technology to maintain battery state of health



| Type designation | SBP4K8 |
|-----------------------------------|--|
| Data | |
| Total energy capacity | 4.8 kWh |
| Battery capacity | 94 Ah |
| Nominal voltage | 51.52 V |
| Battery type | Lithium ion |
| Voltage range | 44.8 V–58.1 V |
| Max. charge current | 47 A |
| Max. discharge current | 80 A |
| Round-trip efficiency (RTE) | > 95 % |
| Depth of discharge (DOD) | > 95 % |
| Cell balance technique | Bi-directional active cell balancing |
| Cell balance current | 5 A |
| Scalability | Yes, up to 14.4 kWh |
| Over/under voltage protection | Yes |
| Over current protection | Yes |
| Over/under temperature protection | Yes |
| Short-circuit protection | Yes |
| Mounting type | Free-standing / wall-mountable |
| Weight | 48 kg |
| Dimensions (W x H x D) | 510 mm x 565 mm x 190 mm |
| Communication | CAN |
| Firmware upgrade | Local and remote |
| Current consumption in sleep mode | < 30 μ A |
| Noise | < 30 dB |
| Ingress protection rating | IP55 |
| Relative humidity range | 0–85 %, non-condensing |
| Operating temperature | -10°C to 45°C |
| Storage temperature | -20°C to 50°C |
| Altitude | < 2000 m |
| Storage period | Less than 6 months |
| Cooling strategy | Natural convection |
| Certification | UN38.3, IEC62619, IEC-61000-6-1/3, SAA |
| Applicable inverter type | SH3K6, SH4K6, SH5K-20, SH5K-30 |

