

# SBP4K8

Residential Battery



## Flexible and Efficient

- 51.8V/ 4.8kWh Pack design, Max charge/discharge current 47A/80A
- Scalable, Max capacity up to 14.4kWh
- 30uA extreme low Sleep-mode current



## Smart and Durable

- Active cell balancing technique, prolong battery lifetime effectively
- Smart cell balancing management, guarantee each cell in the same state



## Graceful and Convenient

- Electrical appliances design, delicate and beautiful
- Integrate CAN and RS485 communication interface
- Support online upgrade, convenient and reliable



## Safe and Reliable

- Prismatic battery cell design, overcharge safety device and vent inside
- Perfect BMS protection and excellent safe performance



**Data**

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Nominal Energy	4.8 kWh
Nominal Voltage	51.8 V
Battery Type	Li-ion
Voltage range	44.8 V – 58.1V
Max Charge Current	50 A
MAX Discharge Current	80 A
Cell Balance Technique	Bi-directional Active Cell Balancing
Cell Balance Current	5 A
Scalability	Yes, Max to 14.4 kWh
Over/Under Voltage Protection	Yes
Over Current Protection	Yes
Over/Under Temperature Protection	Yes
Short-circuit Protection	Yes
DC fuse	Yes
Mouting Type	Stand
Dimensions(W×H×D)	520mm × 570mm × 200 mm
Weight	50 kg
Interface	CAN, RS485
International Protection Marking	IP33
Sleep mode consumed current	<30 uA
Quiescent current(Nominal voltage)	<50 mA
Nosie	30 dB
Humidity Range	0 – 85%
Available Operating(ambient) Temperature	0 – 40 °C
Storage temperature	-30 – 60 °C
Cooling	Natural Convection
Safety Certification	UN38.3, IEC62619

