

BSM48100

51.2V100AH 5120WH

All-time monitor

Long Life

Rated life span of more than 6000 cycles

Expandable

Storage capacity is expandable to 76.8kwh.

High Efficiency

98% charge/discharge efficiency.

Easy Installation

Easy, plug and play Installation



Normal

Model	BSM48100
Battery Type	Li'fe'PO4(LFP)
Nominal Voltage(V)	51.2V
Nominal Capacity(WH)	5120WH
Usable Capacity(WH)	4096WH
Design Life	10+ Years(25℃/77F)

Physical

Dimension(mm)	482*177.8*442
Weight(kg)	50

Electrical

Cycle Life	>6000,25℃
Discharge Voltage(V)	40~58.4
Charge Voltage(V)	56~58.4
Charge/Discharge Current(A)	50A(Recommended)
	100A(Max)
Internal Resistance	≤30mΩ

BMS

Power Consumption	<2W(Work)<100mW(Sleep)
Monitoring Parameters	System voltage, Current, cell voltage, cell temperature, module temperature
SOC	Intelligent algorithm
Communication	CAN/RS-485

Operation

Operating Temperature Range	-10℃~50℃
Transport or Storage Temperature Range	-20℃~45℃
Humidity	15%~85%(No Condensing)