

SKANBATT

Datasheet BAS48-100B

Electrical Specifications

Nominal Voltage	51,2V
Nominal Capacity	100Ah
Nominal Energy	5120Wh
Internal Resistance	≤40mOhm
Self Discharge Rate	<3% pr month
Max. Modules in Parallel/Series	4 / No Series
Life Cycles	>4000 @0,3C 80% DoD
Chemistry	LiFePO4

Mechanical Specifications

Dimensions (L x W x H)	520mm*268mm*220mm
Weight	40 ±0,5kg
Terminal	M8 bolts (10-11 Nm)
Case Material	ABS
Enclosure Protection Rate	IP54

Charge Specifications

Rec. Charge Current	<50A
Max. Charge Current	100A
Rec. Charge Voltage	56,0-57,6V
Rec. Float Voltage	54,4-55,2V
High Voltage Disconnect	58,4V +/-0.1V

Protection Features

Short Circuit Protection	Yes
Low Voltage protection	Yes
High Voltage protection	Yes
Low Temperature protection	Yes
High Temperature protection	Yes
Cell imbalance protection	Yes
Over current protection	Yes

Discharge Specifications

Rec. Discharge Current	<50A
Max. Continuous Discharge Current	100A
Peak Discharge Current	110A<10s, 280 <1,3s@25°C
End of Discharge	40~44V

Temperature Specifications

Short-term Storage Temperature	-40°C to 60°C
Long-term Storage Temperature	-10°C to 45°C
Rec. Storage Temperature	5°C - 15°C @45%-75% SoC
Charge Temperature	0°C - 55°C
Discharge Temperature	-20°C - 60°C

Communications

Bluetooth	Yes – Skanbatt Base App
-----------	-------------------------

Others

Mounting orientation	Dynamic: Upright Static: Upright or side
Certifications	UN38.3 / CE / IEC62619