

SKANBATT

Datasheet BAS24-100

Electrical Specifications

Nominal Voltage	25,6V
Nominal Capacity	100Ah
Nominal Energy	2560Wh
Internal Resistance	≤20mOhm
Self Discharge Rate	<3,5% pr month
Max. Modules in Parallel/Series	4 / 2
Life Cycles	>4000 @0,3C 80% DoD
Chemistry	LiFePO4

Mechanical Specifications

Dimensions (L x W x H)	345mm*190mm*245mm
Weight	17,92 ±0,2kg
Terminal	M8
Case Material	ABS
Enclosure Protection Rate	IP67

Charge Specifications

Rec. Charge Current	<20A
Max. Charge Current	50A
Rec. Charge Voltage	28,0-29,2V
Rec. Float Voltage	27,2-27,6V
High Voltage Disconnect	29,6V +/-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	200A <3s@25°C
Short Circuit Protection	3000A @300μs
End of Discharge	10~11V

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 - 45°C
Discharge Temperature	-20°C - 60°C

Communications

Bluetooth	No
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Others

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