

SKANBATT

Datasheet BAS12-12

Electrical Specifications

Nominal Voltage	12,8V
Nominal Capacity	12Ah
Nominal Energy	153,6Wh
Internal Resistance	≤30mOhm
Self Discharge Rate	<3,5% pr month
Max. Modules in Parallel/Series	4 / 4
Life Cycles	>4000 @0,3C 80% DoD
Chemistry	LiFePO4

Mechanical Specifications

Dimensions (L x W x H)	151mm*98mm*95mm
Weight	1,45 ±0,2kg
Terminal	F2+
Case Material	ABS
Enclosure Protection Rate	IP67

Charge Specifications

Rec. Charge Current	<2A
Max. Charge Current	5A
Rec. Charge Voltage	14,0-14,6V
Rec. Float Voltage	13,6-13,8V
High Voltage Disconnect	14,8V +/-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	<5A
Max. Continuous Discharge Current	10A
Peak Discharge Current	20A <3s@25°C
Short Circuit Protection	220A @350µs
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 / IEC62133 / RoHS