

SKANBATT

Datasheet BAS12-40B

Electrical Specifications

Nominal Voltage	12,8V
Nominal Capacity	40Ah
Nominal Energy	512Wh
Internal Resistance	≤40mOhm
Self Discharge Rate	<3% 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)	197mm*166mm*170mm
Weight	5,5 ±0,5kg
Terminal	M8 bolts (10-11 Nm)
Case Material	ABS
Enclosure Protection Rate	IP54

Charge Specifications

Rec. Charge Current	<40A
Max. Charge Current	40A
Rec. Charge Voltage	14,0-14,6V
Rec. Float Voltage	13,6-13,8V
High Voltage Disconnect	14,6V +/-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	<40A
Max. Continuous Discharge Current	40A
Peak Discharge Current	150A <3@25°C
Short Circuit Protection	S
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 - 55°C
Discharge Temperature	-20°C - 60°C

Communications

Bluetooth	Yes – Skanbatt Base App
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Others

Mounting orientation	Dynamic: Upright Static: Upright or side
Certifications	UN38.3 / CE / IEC62619 / UL1973