

# SKANBATT

## Datasheet BAS12-20

### Electrical Specifications

Nominal Voltage	12,8V
Nominal Capacity	20Ah
Nominal Energy	256Wh
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)	180mm*75mm*165mm
Weight	2,7 ±0,2kg
Terminal	M5
Case Material	ABS
Enclosure Protection Rate	IP67

### Charge Specifications

Rec. Charge Current	<4A
Max. Charge Current	10A
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	<10A
Max. Continuous Discharge Current	20A
Peak Discharge Current	40A <3s@25°C
Short Circuit Protection	320A @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 / IEC62619 / RoHS