

SKANBATT

Datasheet PRE12-100B

Electrical Specifications

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Nominal Energy	1280Wh
Internal Resistance	≤40mOhm
Self Discharge Rate	<3% pr month
Max. Modules in Parallel/Series	16/4
Life Cycles	>6000 @0,3C 80% DoD
Chemistry	LiFePO4

Mechanical Specifications

Dimensions (L x W x H)	306mm*172mm*212mm
Weight	11,2 ±0,5kg
Terminal	M8 bolts (10-11 Nm)
Case Material	ABS
Enclosure Protection Rate	IP65

Charge Specifications

Rec. Charge Current	<50.0A
Max. Charge Current	100A
Rec. Charge Voltage	14,2-14,6V
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	<50A
Max. Continuous Discharge Current	100A
Peak Discharge Current 3m (*):	150A
Peak Discharge Current 3s:	350A@25°C
Short Circuit Protection 300μs:	500A@300μs
End of Discharge	~11V

(*) Moover-function

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
OTA	Yes

Others

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