

# SKANBATT

## Datasheet PRE24-100B

### Electrical Specifications

Nominal Voltage	25.6V
Nominal Capacity	100Ah
Nominal Energy	2560Wh
Internal Resistance	≤50mOhm
Self Discharge Rate	<3% pr month
Max. Modules in Parallel/Series	16/2
Life Cycles	>6000 @0,3C 80% DoD
Chemistry	LiFePO4

### Mechanical Specifications

Dimensions (L x W x H)	502mm*242mm*186mm
Weight	21 ±0,5kg
Terminal	M8 bolts (10-11 Nm)
Case Material	ABS
Enclosure Protection Rate	IP65

### Charge Specifications

Rec. Charge Current	<50A
Max. Charge Current	100A
Rec. Charge Voltage	28,4-29,2V
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	350A <3@25°C
Short Circuit Protection	640A@300µs
End of Discharge	20~22V

### 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