SKANBATT

Datasheet PRE12-700BHR

Electrical Specifications

Nominal Voltage	12.8V
Nominal Capacity	700Ah
Nominal Energy	8960Wh
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)	380mm*360mm*220mm+-0,2mm
Weight	61,5 ±0,5kg
Terminal	M8 bolts (10-11 Nm)
Case Material	Metal
Enclosure Protection Rate	IP21

Charge Specifications

Rec. Charge Current	<200.0A
Max. Charge Current	200A
Rec. Charge Voltage	14,2-14,6V
Rec. Float Voltage	13,5-13,8V
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
Automatic Heating System	Yes

Discharge Specifications

Rec. Discharge Current	<200A
Max. Continuous Discharge Current	200A
Max. Continuous Discharge Current2	250A <10m 25°C
Peak Discharge Current	300A <5S 25°C
Short Sircuit Protection	640A@300µs
End of Discharge	~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	-20°C - 55°C
Discharge Temperature	-20°C - 60°C

Communications

Bluetooth	Yes
OTA	Yes

Others

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