

SKANBATT

Datasheet PRE12-470BHR

Electrical Specifications

Nominal Voltage	12.8V
Nominal Capacity	470Ah
Nominal Energy	6016Wh
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

Charge Specifications

Rec. Charge Current	<100.0A
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

Discharge Specifications

Rec. Discharge Current	<100A
Max. Continuous Discharge Current	200A
Peak Discharge Current	500A <1S 25°C
Short Circuit Protection	640A@300μs
End of Discharge	~11V

Communications

Bluetooth	Yes
OTA	Yes

Mechanical Specifications

Dimensions (L x W x H)	363mm*353mm*190mm+-0,2mm
Weight	42 ±0,5kg
Terminal	M8 bolts (10-11 Nm)
Case Material	Metal
Enclosure Protection Rate	IP40

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

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

Others

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