



Solid State Lithium Battery

Electrical Specifications

Power Cell Model	PowerAble AX-01
Model	PM 12-124 (12V/124AH)
Nominal Voltage	12.6
Maximum Voltage	14.0
Capacity	1562W
BMS	100A
Maximum Charge/Discharge Current	100A
Volume (mm)	241*131*203
Maximum Load Power	1110W
Maximum Solar Charging Power	600W
Operating Temperature	0°C to ~60°C
Self Discharge	125ua
Maximum Series Voltage	12.6V
Cycles	+4000 cycles at 80% DoD
Cycles	2000 cycles at 100% DoD
Resistance	10mOhms

IP65
Rated Enclosure

CANBUS RV-C
Communications
Protocol

Charging Specifications

Recommended Charge Current	60A
Recommended Charge Voltage	14.4
Equalization Voltage (if applicable)	4.2V
BMS Charge Current Cut-Off	40MA
Recharge/Rebulk Voltage	4.1V
BMS Cell Balancing Voltage Range	4.2V
High BMS Voltage Protection	60°C

Discharging Specifications

Peak Discharge Current	100A
Surge for Loads over 500A	Protected
Recommended LVD	9V
BMS Discharge Voltage Cut-Off	8.4V
Reconnect Voltage	9V
Short Circuit Protection	Protected
Recommended Discharge Current	36A

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Specifications may be subject to change without notice.

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Temperature Specifications

Discharge Temperature	-20°C to ~60°C
Charge Temperature	0°C to ~60°C
Storage Temperature	-20°C to ~45°C
BMS High Temperature Cut-Off	60°C
BMS Reconnect Temperature	50°C

Dimensions

