

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

oupacity 10021

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

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

Discharging Specifications

High BMS Voltage Protection

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

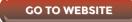
Recommended Discharge Current 36A

IP65 Rated Enclosure

CANBUS RV-C

Communications Protocol













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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

