



## Solid State Lithium Battery

Electrical Specifications	12-217	24-124
Power Cell Model	PowerAble AX-01	PowerAble AX-01
Model	PM 12-217 (12V/225AH)	PM 24-124 (24V/123AH)
Nominal Voltage	12.6	25.2
Maximum Voltage	14.4	29.4
Capacity	2734WH	3125WH
BMS	100A	100A
Maximum Charge/Discharge Current	100A	100A
Volume (mm)	288*248*163.5	288*248*163.5
Maximum Load Power	1110W	2590W
Maximum Solar Charging Power	1200W	1200W
Operating Temperature	0°C to ~60°C	0°C to ~60°C
Self Discharge	125ua	125ua
Maximum Series Voltage	14.4	29.2
Cycles	+4000 cycles at 80% DoD	+4000 cycles at 80% DoD
Cycles	2001 cycles at 100% DoD	2002 cycles at 100% DoD
Resistance	8mOhms	10mOhms

**IP65**  
Rated Enclosure

**CANBUS RV-C**  
Communications  
Protocol

Charging Specifications	12-217	24-124
Recommended Charge Current	65A	65A
Float Voltage	12.6V	29.4V
Equalization Voltage (if applicable)	4.2V	4.2V
BMS Charge Current Cut-Off	40MA	40MA
Recharge/Rebulk Voltage	4.1V	4.1V
BMS Cell Balancing Voltage Range	4.2V	4.2V
High BMS Voltage Protection	60°C	60°C

Discharging Specifications	12-217	24-124
Peak Discharge Current	100A	100A
Surge for Loads over 500A	Protected	Protected
Recommended LVD	9V	21V
BMS Discharge Voltage Cut-Off	8.4V	19.6V
Reconnect Voltage	9V	21V
Short Circuit Protection	Protected	Protected
Recommended Discharge Current	65A	65A

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Specifications may be subject to change without notice.

## Solid State Lithium Battery

Temperature Specifications	12-225	24-100
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	12-225	24-100
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