

APS5000



Lithium-ion Battery



1 Scope

This specification is applied to Lithium-ion Battery with model number APS5000 that Batteries are made in China.

2 Product Specification

Table 1

No.	Item	General Parameter		Remark
1	Rated Capacity	Nominal capacity	100Ah	Standard discharge (0.5C ₅ A) after Standard charge
		Available capacity	100Ah	
2	Nominal Voltage	51.2V		Mean Operation Voltage
3	Voltage at end of Discharge	40V		Discharge Cut-off Voltage
4	Charging Voltage	58.4V		
5	Watt-hour	5120Wh		
6	Rated output power	5120W		
7	Discharge depth	100%DOD		
8	Internal Impedance	≤50mΩ		Internal resistance measured at AC 1KHz after 50% charge The measure must uses the new batteries that within one week after shipment and cycles less than 5 times
9	Standard charge	Constant Current 0.2C Constant Voltage 58.4V 0.01 C cut-off		Charging time : 5-7h
10	Standard discharge	Constant current 0.5C end voltage 40V		

Continuous the table 1

No.	Item	General Parameter	Remark
11	Fast charge	Constant Current 1C Constant Voltage 58.4V 0.01 C cut-off	Charging time: 1h
12	Fast discharge	Constant current 1C end voltage 40V	
13	Maximum Continuous Charge Current	100A/1C	0~60℃
14	Maximum Continuous Discharge Current	100A/1 C	-20~60℃
15	Operation Temperature Range	Charge: 0~60℃	60±25%R.H. Bare Cell
		Discharge: -20~60℃	
16	Storage Temperature Range	-20~45℃	60±25%R.H. at the shipment state
17	Nominal dimension	481mm x 508mm x 133mm (W*H*D)	Initial Dimension

3 Limited Product Warranty Contact Us:

www.aesonpower.com.au | info@aesonpower.com.au | 63-67 Smeaton Ave Dandenong South VIC 3175 |
+61 03 9545 5993