

# LITHIUM-ION BATTERY PRODUCT SPECIFICATION

**IP20 51.2V100Ah**

**V1.0**



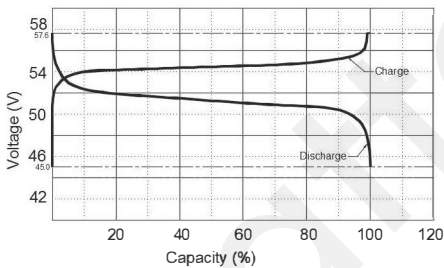
**SHENZHEN ZETARA POWER SYSTEM CO., LTD**

# SPECIFICATIONS

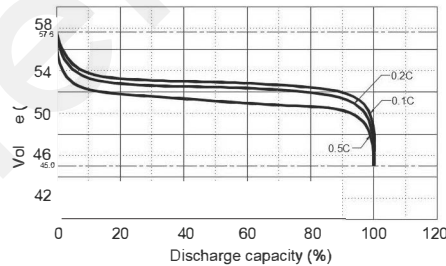
Item		Specification	Conditions
Nominal	Voltage	51.2V	25°C, 0.2C
	Capacity	100Ah	
Module weight		51.6kg	±0.5kg
Dimensions(W*D*H), mm		455*680*180	±2mm
Operating parameters	Charging Voltage	56.0V~57.0V	
	Discharging Voltage	44.8V	
	Charging current	Max constant charge: 100A	Recommended 50A
	Discharging current	Max constant discharge: 100A	
Temperature	Charge range	0°C~50°C	
	Discharge range	-20°C~55°C	
	Storage range	-20°C~55°C	
BMS	Built-in BMS	Voltage, current, temperature management & cell balance	RS485, CAN communication
Service life	Design life	>15years	25°C
	Cycle life	>6000 times, 0.5C, 80%DOD	
IP Rated		IP20	
Cell certificate		IEC62619/UL1973/UL9540A	

# PERFORMANCE CURVE

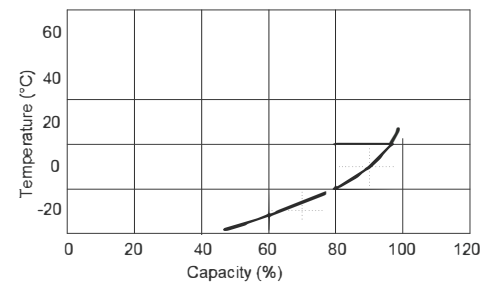
Charge & Discharge curve with 0.5C @ 25°C



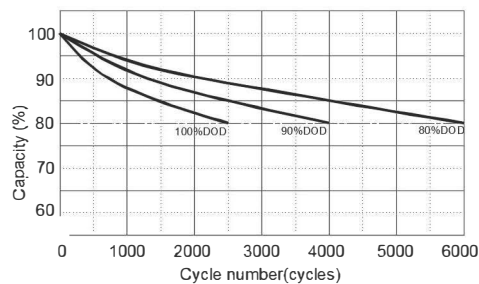
Discharge performance with different rate @ 25°C



Discharge capacity with different temperature @ 0.5C



Cycle life with DOD @ 0.5C, 25°C



Self-discharge @ different temperature

