

Solid Volt

Technical Features

- ▶ Over 6000 times of cycle life
- ▶ Serial and parallel function for option
- ▶ Maintenance-free, low self-discharge rate
- ▶ Product design life of more than 10 years
- ▶ Standard size for standard rack, easy to install
- ▶ Intelligent BMS to ensure a safe reliable operation
- ▶ Multiple communication including RS485, CAN, RS232

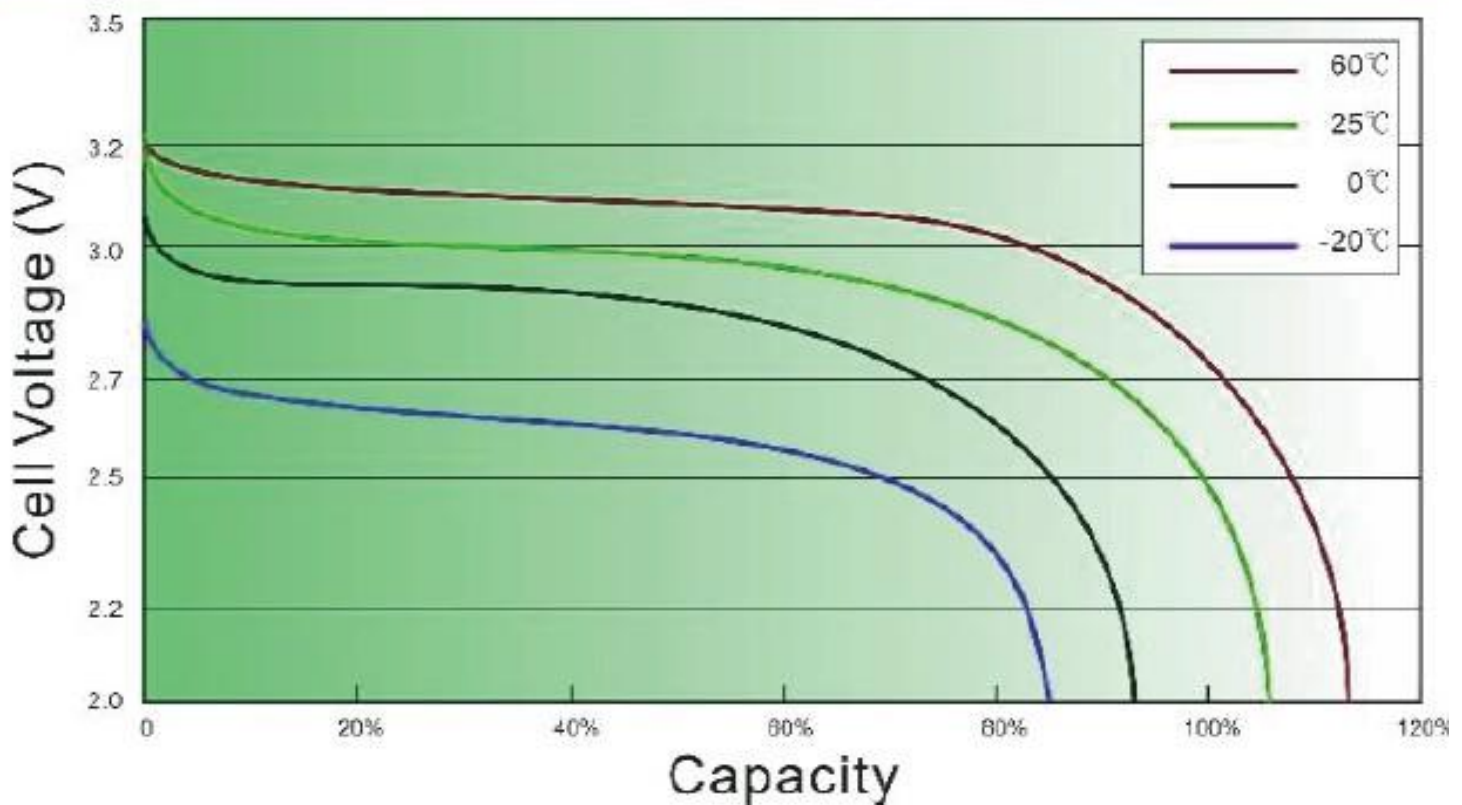


parameter

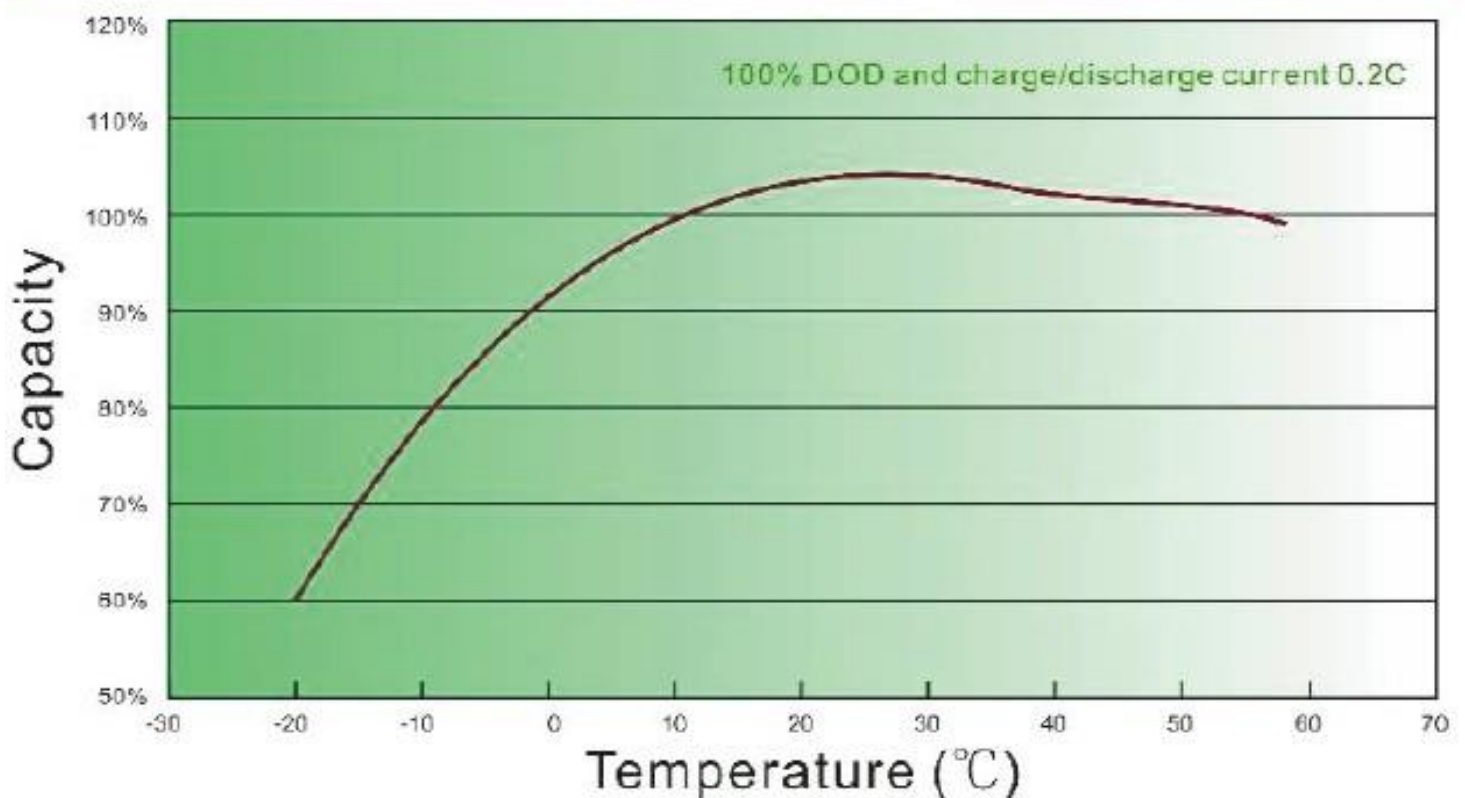
Model	51.2V100AH
Nominal Voltage	51.2V
Standard Capacity For Battery System	100AH
Energy	5.12KWH
Cycle Life	≥6000 cycles
IP grade	IP55
Short Circuit Protection	Yes
Size (L*W*H)	442*510*178mm
Limited Charge Voltage	58.40V ±0.1V
Floating Charge Voltage	55.20V ±0.1V
Standard Charge Current	Constant current 0.1C, Constant Voltage 58.40V, 0.01C cut-off
Max. Charge Current	50.0A
Cut-off Voltage	44.80V
Max. Continuous Discharge Current	100.0A
Operating Temperature	Charge : 0~45°C, 45~85%RH Discharge : -10~55°C, 45~85%RH
Weight	Approx. 48Kg
Full voltage difference battery pack	≤ 20mV

Battery Standard Performance Summary Chart

Discharge curve at different temperature (1C)

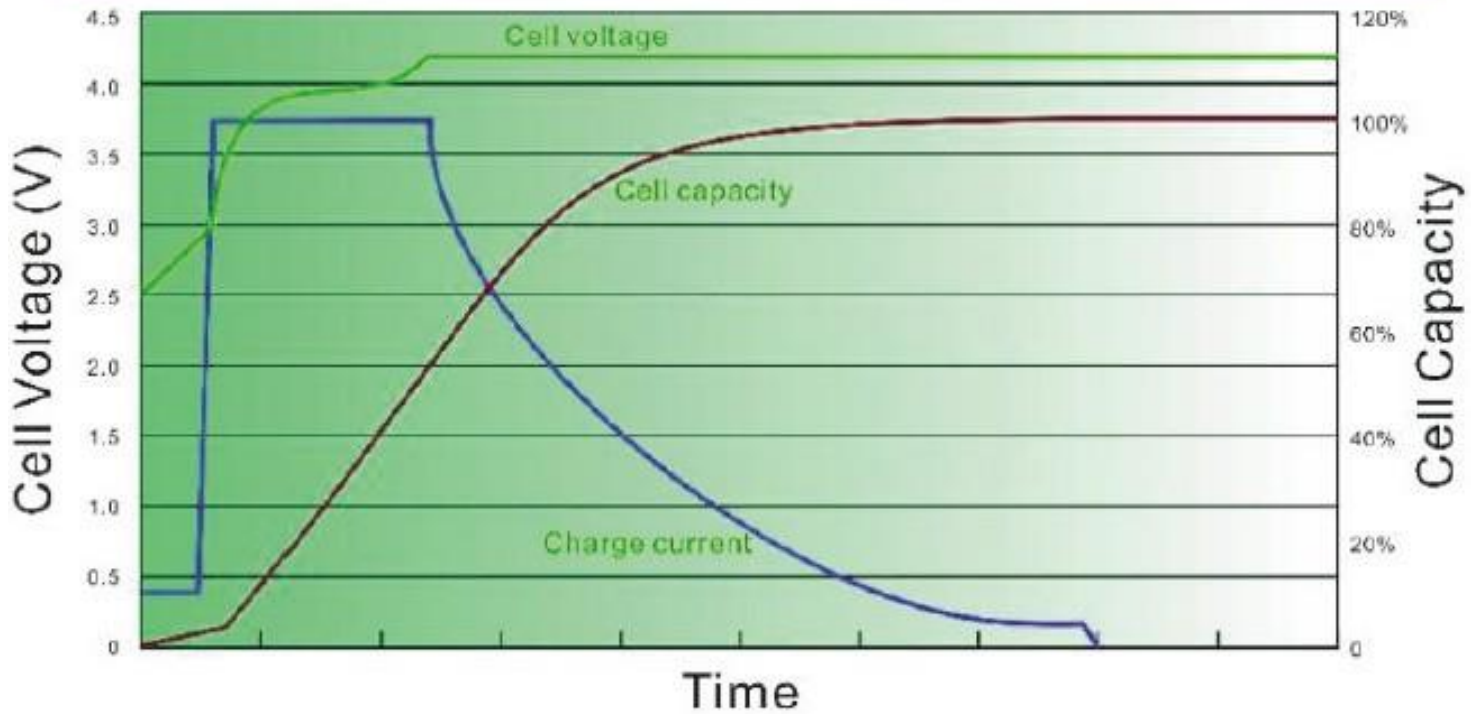


Temperature effect in relation to battery capacity



Battery Standard Performance Summary Chart

Charging curve



Discharge capacity in relation to discharge voltage

