

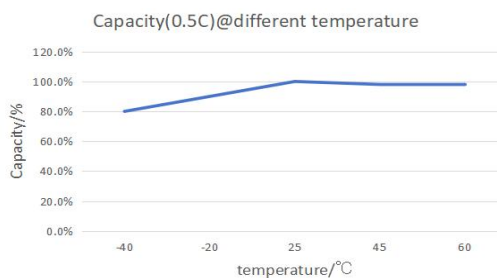


SODIUM-ION PRISMATIC CELL

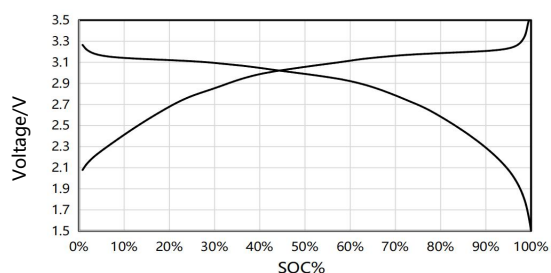
MODEL: WT SIB 50160118-50Ah

Technical Specifications			Technical Specifications(continue)		
Item	Unit	Specification	Item	Unit	Specification
Nominal Voltage	V	2.85	Dimensions(W*L*H±0.6)	mm	50.5*160.3*118
Rated Capacity ((25°C))	Ah	50.0	Approx. Weight	kg	≤1.7
Rated Energy	Wh	142.5	AC resistance (1kHz)	mΩ	≤0.5
STD. Continuous Charging Current	A	25(0.5C)	Discharge temperatur	°C	-40~70
MAX. Continuous Charging Current	A	50(1C)	Charge temperature	°C	-20~70
STD. Continuous Discharging Current	A	25(0.5C)	Storage temperature	°C	0~45
MAX. Continuous Discharging Current	A	100(2C)	Storage 28 days@RT	—	Retention capacity≥90%, Recovery capacity≥95%
Charging Cut-off Voltage	V	3.5	Cycle life(0.5C charge /0.5C discharge@RT)	cycles	> 4,000
Discharge Cut-off Voltage	V	1.5	Monthly self-discharge rate	%	≤2
MAX. Short Pulse Discharge Current(25±2°C)	A	500 (0~30s)	Certificate	—	UN38.3

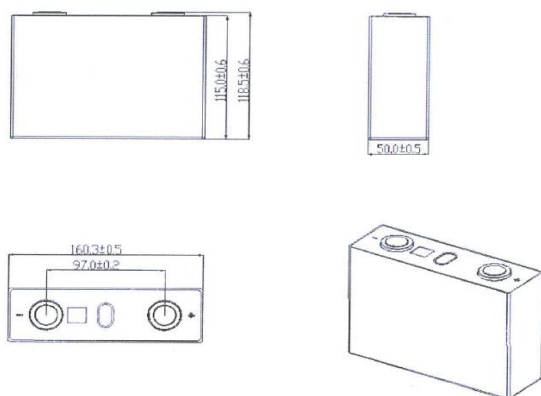
Capacity@different temperature



Charge/Discharge Curve 0.5C@25°C(77°F)



Dimension Specifications



Product Safety

Item	Specification	Remarks
Over Discharge	No fire, No explosion	Reference to GB/T44265-2024
Overcharge	No fire, No explosion	Reference to GB/T44265-2024
External short circuit	No fire, No explosion	Reference to GB/T44265-2024
Heating Test	No fire, No explosion	Reference to GB/T44265-2024
Crush	No fire, No explosion	Reference to GB/T44265-2024
Drop Test	No fire, No explosion	Reference to GB/T44265-2024
Thermal runaway test	No fire, No explosion	Reference to GB/T44265-2024
Low Pressure Test	No fire, No explosion	Reference to GB/T44265-2024

NINGBO V.K. INDUSTRYAND TRADING CO.,Ltd.

Address: 18th Floor, Yuehu Jinmao Tower, No.225, Liu Ting Street, Haishu District, Ningbo, China

Website: <https://power.vekenindustry.com>