



SODIUM-ION CYLINDRICAL CELL

MODEL: NaCR32700-45HP

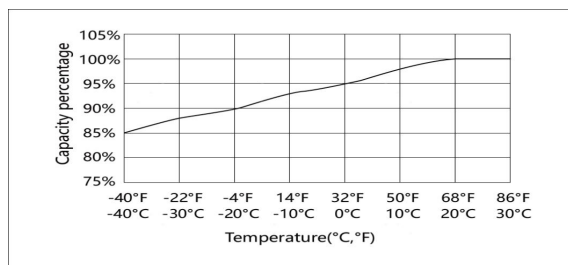
Technical Specifications

Item	Unit	Specification
Nominal Voltage	V	3.0
Rated Capacity ((25°C))	Ah	4.5
Rated Energy	Wh	13.5
STD. Continuous Charging Current	A	2.25(0.5C)
MAX. Continuous Charging Current	A	13.5(3C)
STD. Continuous Discharging Current	A	0.9(0.2C)
MAX. Continuous Discharging Current	A	90(20C)
Charging Cut-off Voltage	V	3.9
Discharge Cut-off Voltage	V	1.5
MAX. Short Pulse Discharge Current(25±2°C)	A	180(3s, ≥1.8V)
MAX. Short Pulse Cycle Discharge Current(25±2°C)	A	112.5(3s Pulse)

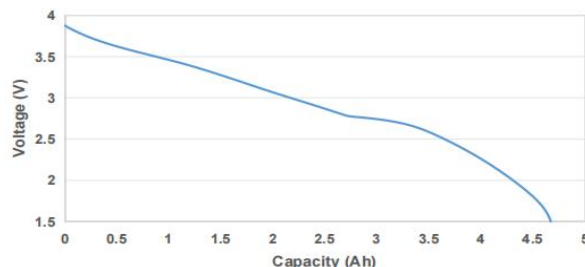
Technical Specifications(continue)

Item	Unit	Specification
Dimensions($\Phi \pm 0.1 \times H \pm 0.5$)	mm	$\Phi 32.4 \times 71$
Approx. Weight(± 5)	g	127
AC resistance (1kHz)	m Ω	≤5
Discharge temperatur	°C	-40~75
Charge temperature	°C	-20~75
Storage temperature	°C	0~45
Storage Humidity	%RH	70±20
Storage 30 days@RT	—	Retention capacity ≥90%, Recovery capacity ≥95%
Cycle life(0.5C charge /1C discharge@RT)	cycles	> 1,000
Monthly self-discharge rate	%	≤2
Certificate	—	UN38.3

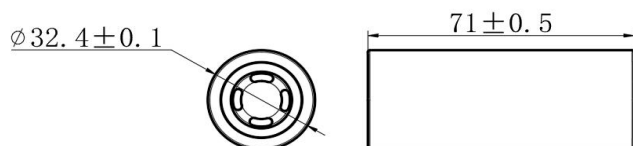
Capacity(0.2C)@Different Temperature



Discharge Curve 0.2C@25°C(77°F)



Dimension Specifications



Product Safety

Item	Specification	Remarks
Over Discharge	No fire, No explosion	VEKEN Enterprise Standard
Overcharge	No fire, No explosion	VEKEN Enterprise Standard
External short circuit	No fire, No explosion	VEKEN Enterprise Standard
Heating Test	No fire, No explosion	VEKEN Enterprise Standard
Crush	No fire, No explosion	VEKEN Enterprise Standard
Drop Test	No Leakag, No fire, No explosion	VEKEN Enterprise Standard
Temperature Cycling Test	No Leakag, No fire, No explosion	VEKEN Enterprise Standard
Impact Test	No fire, No explosion	VEKEN Enterprise Standard
Altitude/Low Pressure Simulation Test	No Leakag, No fire, No explosion	VEKEN Enterprise Standard
Vibration test	No fire, No explosion, No leakage	VEKEN Enterprise Standard

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