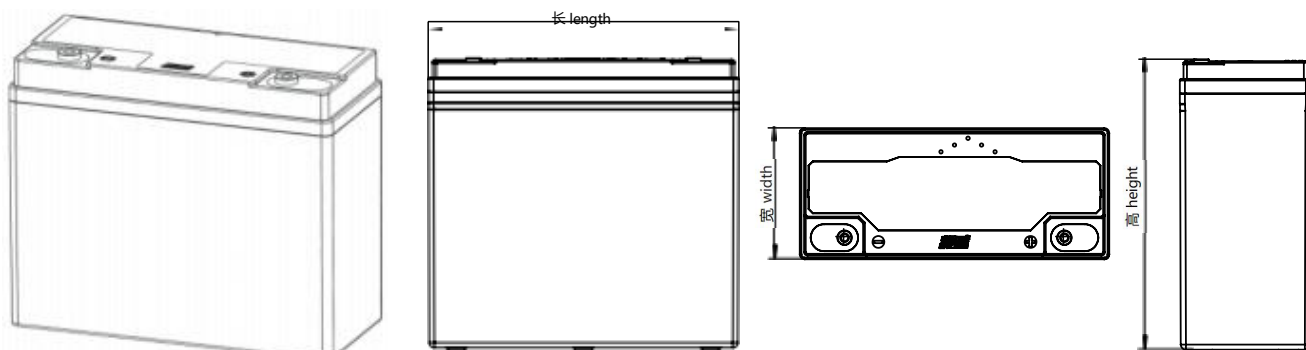




独特的铅-炭电池配方 确保优异的高倍率部分荷电特性
Unique Lead- Carbon recipe enables supper HPSOC performance

板栅连铸连轧工艺 提升板栅耐腐蚀性能
Con casting& rolling grid process boosts grids anti-corrosion performance

独特的正极铅膏制备技术 确保抗软化延长电池寿命
Unique positive paste preparation method alleviates battery plates anti-softening character & extends battery service span

ABS 工程塑料 保证 外壳强度高
ABS engineering material guarantees container good strength

≥4000次循环@ 70%DOD, 4倍于普通VRLA 电池
≥4000 cycles@ 70%DOD, x4 VS conventional VRLA Battery

优越的充电接受能力, 能量效率 ≥90%
Excellent performance on charge acceptance , the energy efficiency is more than 90%

应用领域 Applications



电力不稳定区域: 备电
Reserve power for
interrupt power place



户用储能: 备电+储能
Residential Energy Storage:
Reserve power + energy storage



银行及数据中心: 备电+储能
Bank& data center:
Reserve power + energy storage



发电侧储能系统: 调峰、调频
Energy storage in generation side:
Peak regulation, Frequency modulation



通信基站: 备电+储能
Tele-Com station:
Reserve power + energy storage

特性参数 Specifications 尺寸 Dimension

电池型号 Types	额定电压V Normal voltage	C10 容量 Ah@25°C Capacity C10@25°C	Dimension尺寸 mm±2			电池重量/kg Battery weight kg	铜芯螺纹直径 mm screw diameter of brass terminal
			长 Length	宽 Width	高 Height		
2-CNF-50	4	50	175.5	78.5	163.3	6.0±0.1	M6

放电特性参数 The discharge characters 恒流放电参数表 Constant current parameter

2-CNF-50 constant current A@25°C												
Hour rate cut-off voltage	15 min	30 min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h
3.9V	50	38	24.8	16	12.5	8.8	8.2	6.7	5.9	5.4	4.8	4.2
3.8V	62	48	30.5	17.5	12.9	10.3	8.5	6.9	6.4	5.7	5.4	4.7
3.7V	68	50	31.6	19	14	11.1	8.9	7.4	6.7	6	5.6	4.85
3.6V	82.5	55	32.5	19.5	14.3	11.3	9	7.6	7	6.1	5.77	5
3.5V	94.8	57	33.2	20	14.4	11.4	9.1	7.7	7.1	6.2	5.83	5.1
3.34V	104	58	34	20.6	14.5	11.5	9.2	7.8	7.2	6.3	5.9	5.2

放电特性参数 The discharge characters 恒功率放电参数表 Constant power parameter

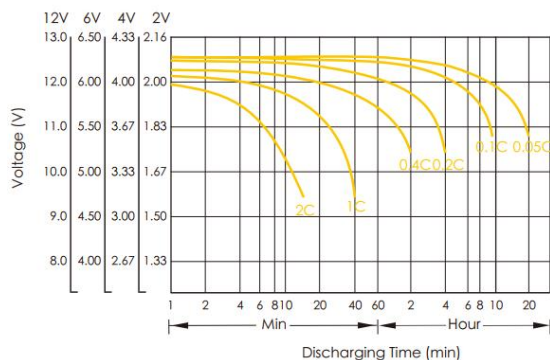
2-CNF-50 constant power W@25°C												
Hour rate cut-off voltage	15 min	30 min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h
3.9V	200	142	107	64	47	41	31	27	23.5	21.5	20	18
3.8V	265	175	115	69	51	43	33	30	26	23	21	19
3.7V	275	200	127	72	54	45	34	31	28	24	22	20
3.6V	280	205	128	75	56	46	40	32	29	24.5	22.5	20.5
3.5V	285	206	129	77	58	47	41.5	33	30	25	23	21
3.34V	287	208	130	78	59	47	41.5	33	30	25	23	21

产品特性曲线 The characteristic profiles

1.不同倍率放电曲线

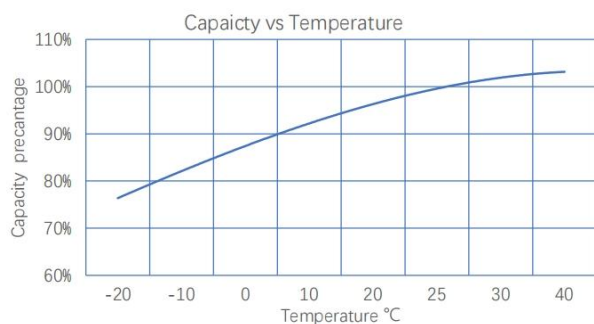
Discharging Characteristics (25°C/77°F)

Discharging Characteristics (25° C/77° F)



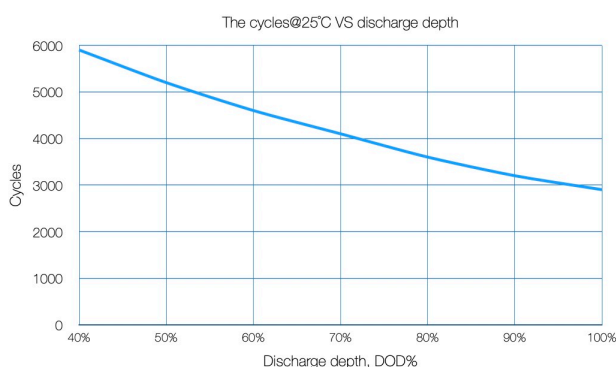
3.容量 VS 温度特性曲线

Capacity vs Temperature



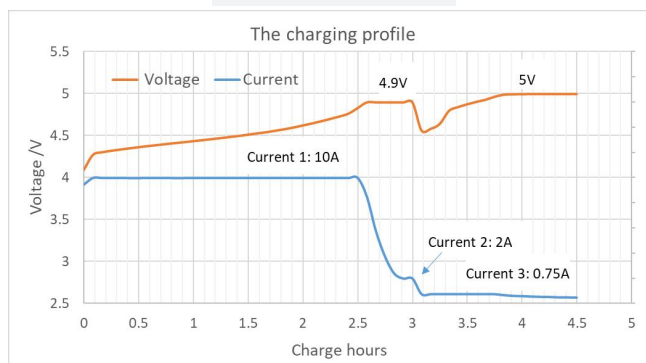
5.循环寿命 VS 放电深度

The cycles@25°C VS Depth of Discharge



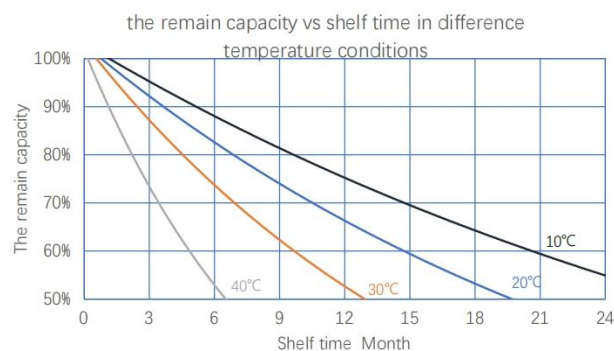
2.充电特征曲线

The charge Profile



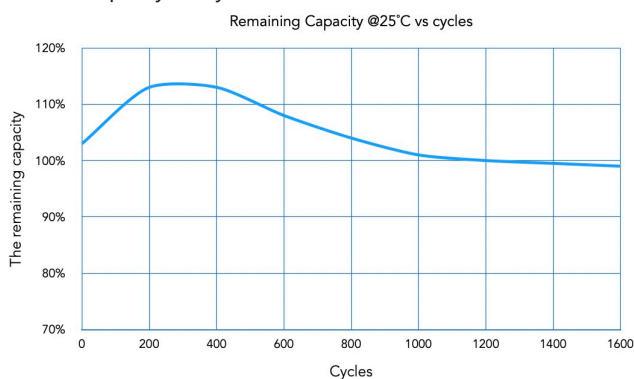
4.自放电 VS 温度

The remain capacity VS Shelf time in difference temperature conditions



6.容量变化 VS 循环次数

Remain capacity VS Cycles



产品使用指导 Guidelines for application

充电要求 Requirement for charging

充电电流 Charge current	快速充电 Boost charge	浮充电 Float charge
限流 ≤0.3CA Max Current 0.2C A	恒压4.9V/ 电池 Constant voltage 4.9V/battery 温度补偿系数: -10mV/°C/电池, 超出20-30°C之外 Temperature coefficient: -10mV/°C/battery out of temperature range 20-30°C	恒压 4.6V/ 电池 Constant voltage 4.6V/battery 温度补偿系数: -6mV/°C/电池 超出20-30°C之外 Temperature coefficient: -6mV/°C/ battery out of temperature range 20-30°C

安装与使用 Installation & application

- 端子扭矩 The strew of interterminal : 10N.M,
- 使用温度范围 the range of temperature in application: -20- 45°C, 推荐温度范围 recommend temperature range 20-30°C
- 使用空间要求 the space requirement : 通风 Ventilation