

Primary Lithium Battery Technology Specification

Customer _____

Part name Primary Lithium Battery

Model No ER18505 4000mAh 3.6V+HPC1520(AC402031)

Serial No _____

Produce No _____

Approved by		Drafted by	Wenfei liang
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1.Scope

This specification is applied to the reference battery in this Specification and manufactured by ShenZhen PKCELL Battery Co., Ltd.

2.Product Specification (23±2℃)

2.1 ER18505

No.	Item	General Parameter	Remark
1	Nominal Capacity	4000mAh	Discharge at 2mA to 2.0V
2	Rated Voltage	3.6V	Mean Operation Voltage
3	Max Constant Discharge Current	120mA	—
4	Max Pulse Discharge Current	200mA	—
6	Operating temperature range	-55~85℃	—
7	Avaliable Terminations	S :Standard Terminations	Special Termination are avaliable upon request
		T : Solder Tabs	
		P :Axial Pins	

2.2 HPC1520

System	Hybrid Pulse Capacitor
Version	HPC1520
Nominal voltage	4V
Nominal capacity	140AS @ 3.67V
	260AS @ 3.90V
	325AS @ 4.10V
Nominal discharge current	50mA
Max.continuous discharge current	500mA
Pulse current capability	2000mA
Discharge end voltage	2.5V
Max.charge voltage	4.1V

Nominal charge current	20mA
Temperature range	-40°C~+85°C
Nominal energy	max. 0.3Wh

3. Benefits

- High energy density, High voltage, stable during most of the application's lifetime
- Wide range of operating temperature
- Long self-discharger rate ($\leq 2\%$ per year during Storage)
- Long storage life (10 years under room temperature)

4. Main application

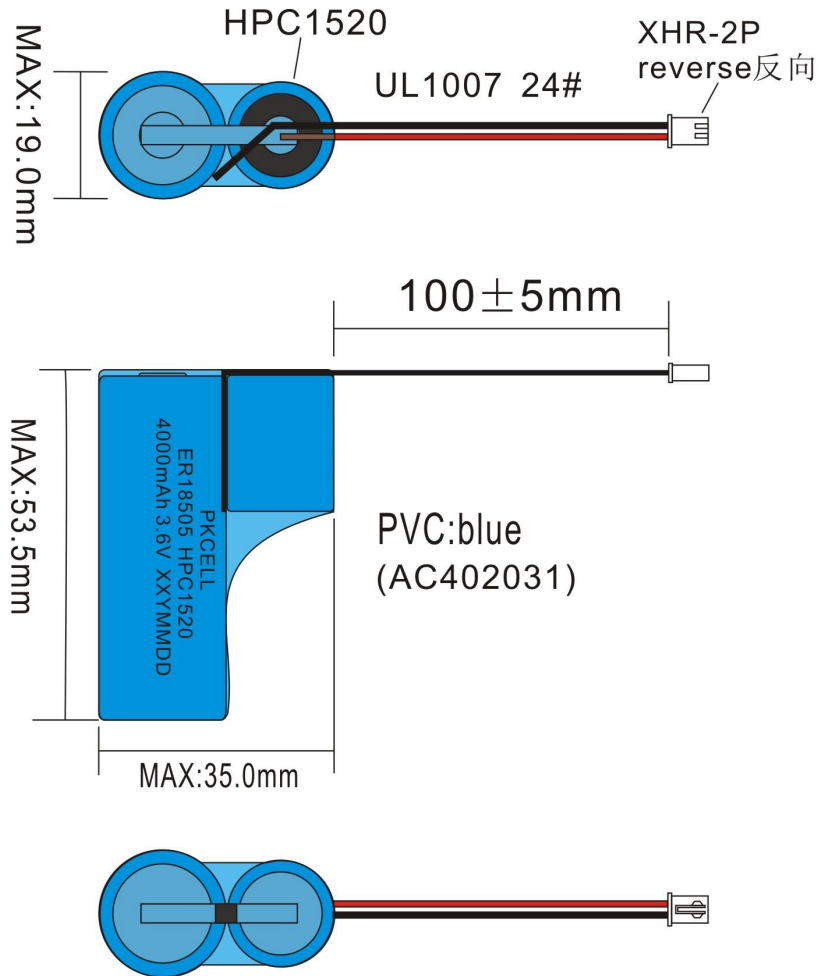
- Intelligent instrument and meter
- Memory and standby power, Alarms and security devices
- Automotive electronics, Electronic toll collection
- Military devices

5. Warning

- Fire, explosion and burn hazard.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C incinerate.
- Do not use the battery beyond the permitted temperature range.

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6. Dimension:



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