



Model:HPC1530

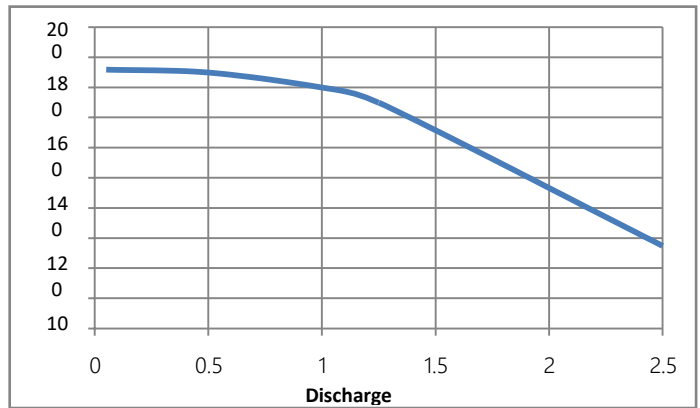


Performance Data

(For batteries stored at RT for one year or less)

System	Hybrid Pulse Capacitor
Model	HPC1530
Nominal voltage	4V
Nominal capacity	300AS @ 3.67V
	510AS @ 3.90V
	640AS @ 4.10V
Nominal discharge current	125mA
Max.continuous discharge current	750mA
Pulse current capability	3000mA
Discharge end voltage	2.5V
Max.charge voltage	4.1V
Nominal charge current	50mA
Temperature range	-40℃~+85℃
Cell impedance @ 1kHz,RT	max. 120mΩ
Nominal energy	max. 0.6Wh
Length	max. 30.0mm
Diameter	max. 15.1mm
Weight	10.0g

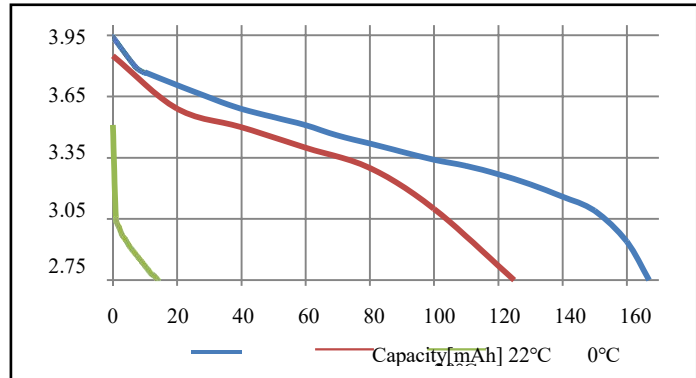
Discharge Curve at 22℃(@4.1V)



Shelf life at different storage temperature to 80% of initial capacity

Temperature	HPC	HPC in IOT Battery
RT	3 years	10 years
60℃	4 weeks	7 years
80℃	1 weeks	At least 1 years

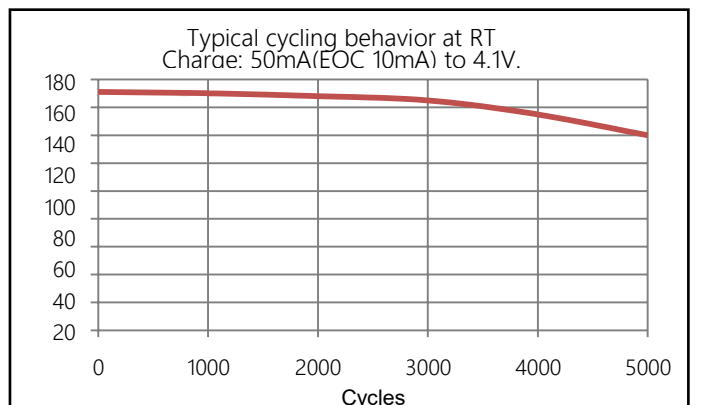
Discharge Curve at 500mA



Safety:

- . Short circuit at 22℃,55℃ and 85℃
- . Temperature test up to 150℃
- . Crush
- . Impact
- . Nail penetration
- . Over charge & over discharge (200% at currents up to 1A)
- . **UL1642 , IEC62133 , UN38.3**

Cycling Performance

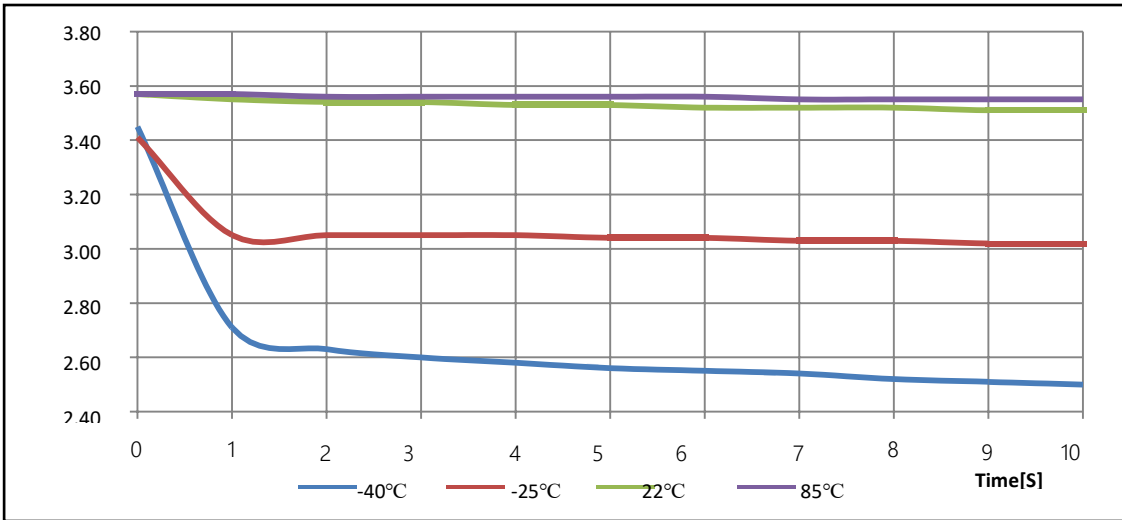


Warning:

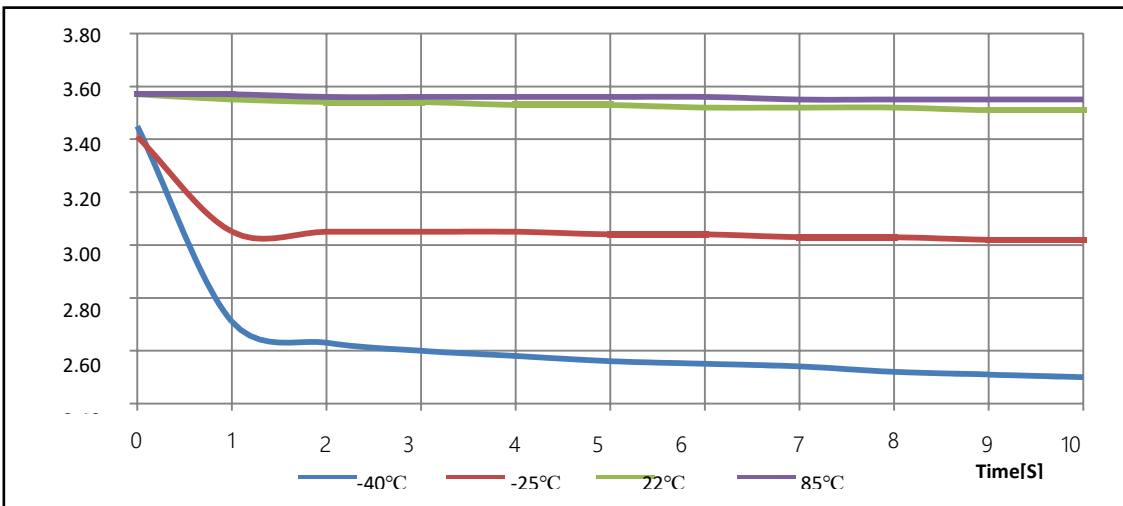
- . Do not fire,explosion, and severe burn hazards.
- . Do not disassemble, heat above 100℃,
- . Do not short circuit, incinerate or expose contents to water.
- . Do not charge above 4.1V

Performance data

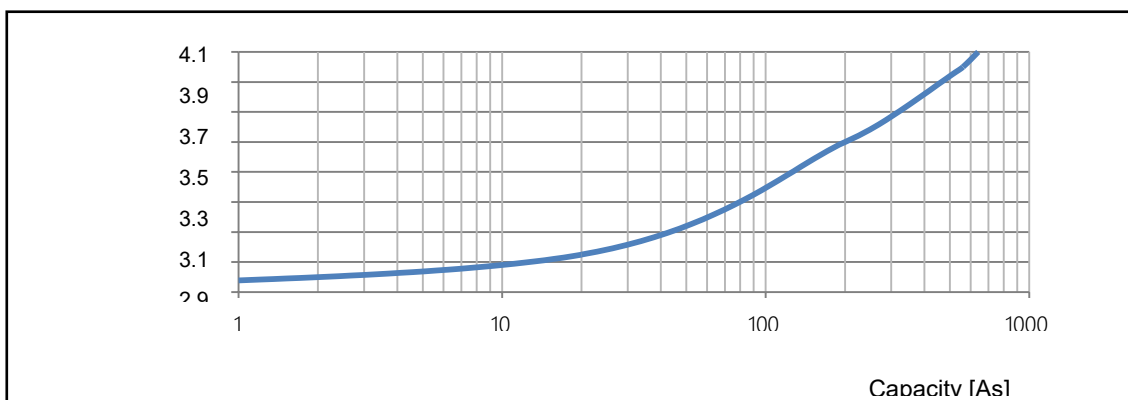
Voltage curves for HPC1530 at Li/SOCl₂ potential (3.67 V), 350mA



Voltage curves for HPC1530 at Li/SO₂Cl₂ potential (3.90 V), 600mA



Available capacity vs. OCV for HPC1530 (at RT, 90 mA discharge)



Note: Any representations in this brochure concerning performance, are for informational purposes only and are not construed as warranties either expressed or implied of future performance.