Shenzhen WECODO Technology Co., Ltd

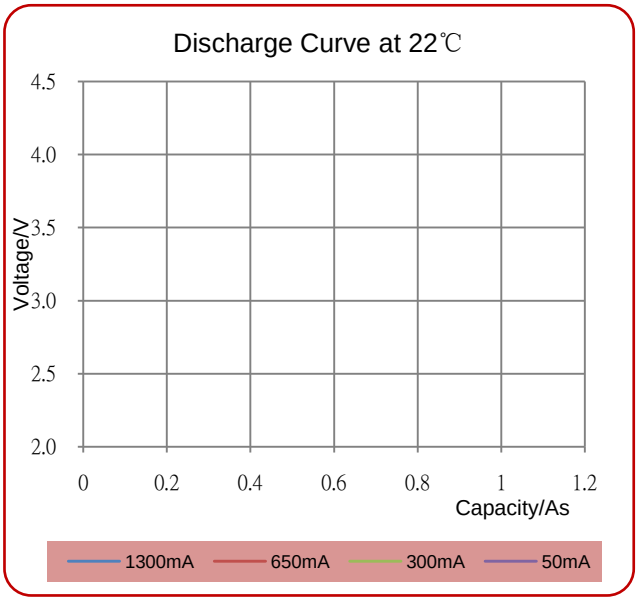
Addres:Room 2406,East Tower,Nanshan Digital Technology & Cultural Industry Park,Nanshan District,Shenzhen, Guangdong, China

Tel: 86-755-86547560 Fax: 86-755-86547560

Performance Data

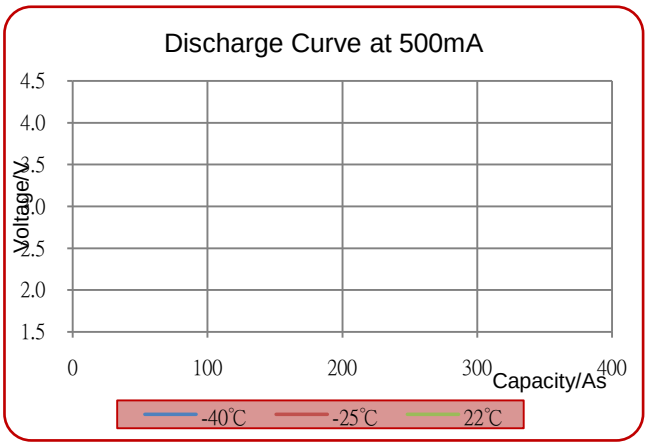
(For batteries stored at RT for one year or less)

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℃~+85℃
Cell impedance @ 1kHz,RT	max. 250mΩ
Nominal energy	max. 0.3Wh
Length	max. 20.0mm
Diameter	max. 15.1mm
Weight	9.0g



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

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



Safety:

Short circuit at 22℃,55℃ and 85℃

Temperature test up to 150℃

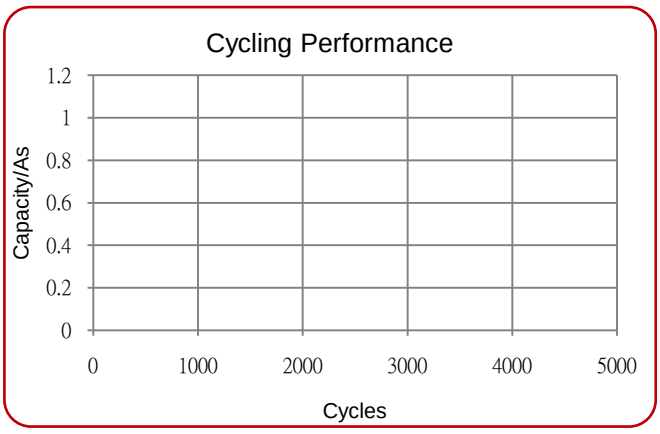
Crush

Impact

Nail penetration

Over charge & over discharge (200% at currents up to 0.5A)

UL1642 , IEC62133 , UN38.3



Warning:

Fire,explosion, and severe burn hazards.

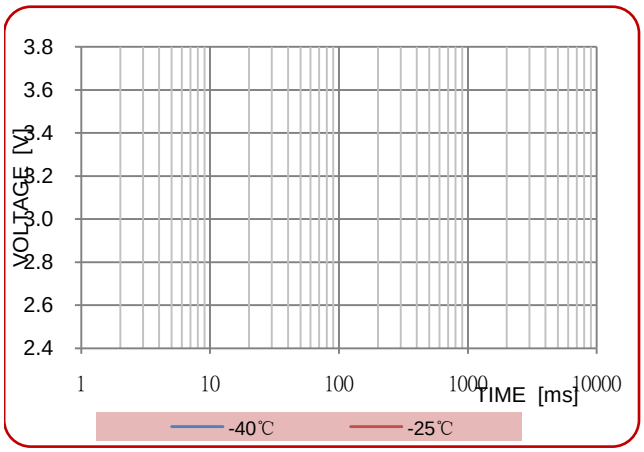
do not disassemble, heat above 100℃,

short circuit, incinerate or expose contents to water.

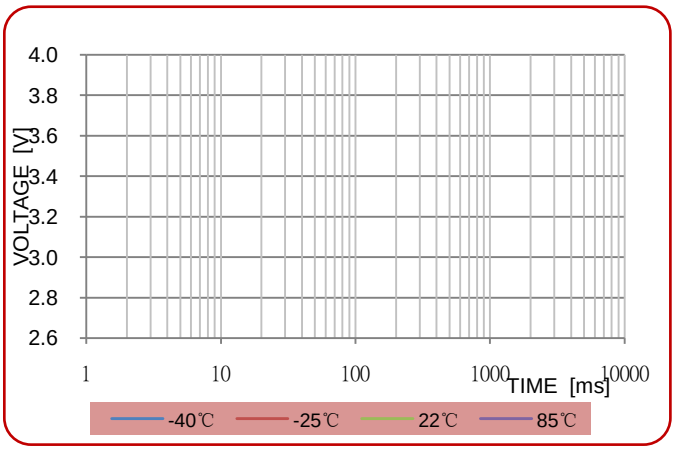
Do not charge above 4.1V

Performance data

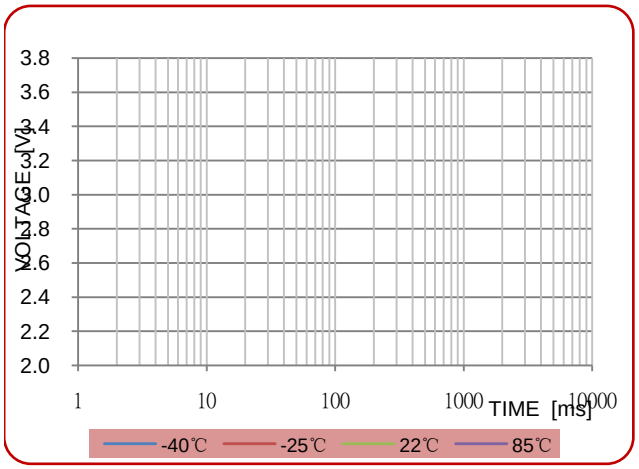
Voltage curves for HPC1520 at Li/$SOCl_2$ potential (3.67 V), 200mA



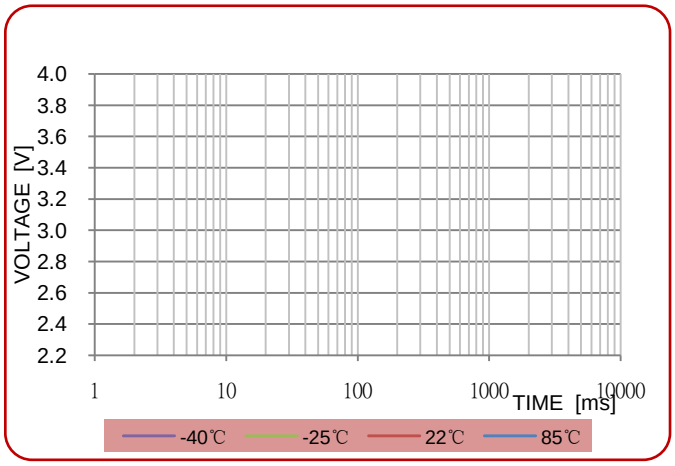
Voltage curves for HPC1520 at Li/SO_2Cl_2 potential (3.90 V), 200mA



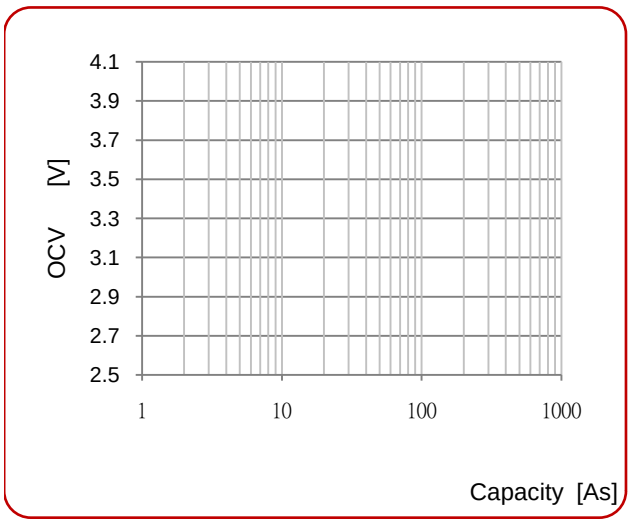
Voltage curves for HPC1520 at Li/$SOCl_2$ potential (3.67 V), 350mA



Voltage curves for HPC1520 at Li/SO_2Cl_2 potential (3.90 V), 350mA



Available capacity vs. OCV for HPC1520 (at RT, 50 mA discharge)



WARNING:

1. Fire, explosion, severe burn hazard. Do not disassemble,heat above 100℃ , or incinerate.
2. Use are a part of IOT battery and low charging current device only. Do not charge above 4.10V.