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## HPC 1550 Supercapacitor Single Cell Manufacturer



### Key Benefits

- Longer operating life (20 years)
- Up to 10 times more life cycles (5,000 full cycles)
- Wider operating temp. (-40°C to 85°C, storage up to 90°C)
- Delivers high current pulses (up to 5A for AA cell)
- Low annual self-discharge rate (less than 5% per year)
- Charging at extreme temperatures (-40°C to 85°C)
- Glass-to metal hermetic seal (vs. crimped seals)

### Notes

- Operating temperature : -40°C ~ +85°C
- Shelf life at different storage temperatures to 80% of initial capacity :  
 20°C: 3 years ( HPC ), 10 years ( HPC+ER )  
 60°C: 4 weeks ( HPC ), 7 years ( HPC+ER )  
 80°C: 1 weeks ( HPC ), At least 1 years ( HPC+ER )

## Supercapacitor Single Cell Specifications

Model	HPC 1550
Nominal Voltage	4V
Nominal Capacity	840AS @ 3.67V
	1290AS @ 3.90V
	1500AS @ 4.10V
Nominal discharge current	250mA
Max.continuous discharge current	2000mA
Pulse current capability	5000mA
Discharge end voltage	2.5V
Max.charge voltage	4.1V
Nominal charge current	100mA
Temperature range	-40 ~+85°C
Cell impedance @ 1kHz,RT	max.100mΩ
Nominal energy	max.1.0Wh
Length	max. 50.5mm
Diameter	max. 15.5mm
Weight	20g

Product

link : <https://www.pkcellpower.com/hpc-1550-supercapacitor-single-cell-manufacturer-product/>