

Carbon-based Power Capacitor Specifications

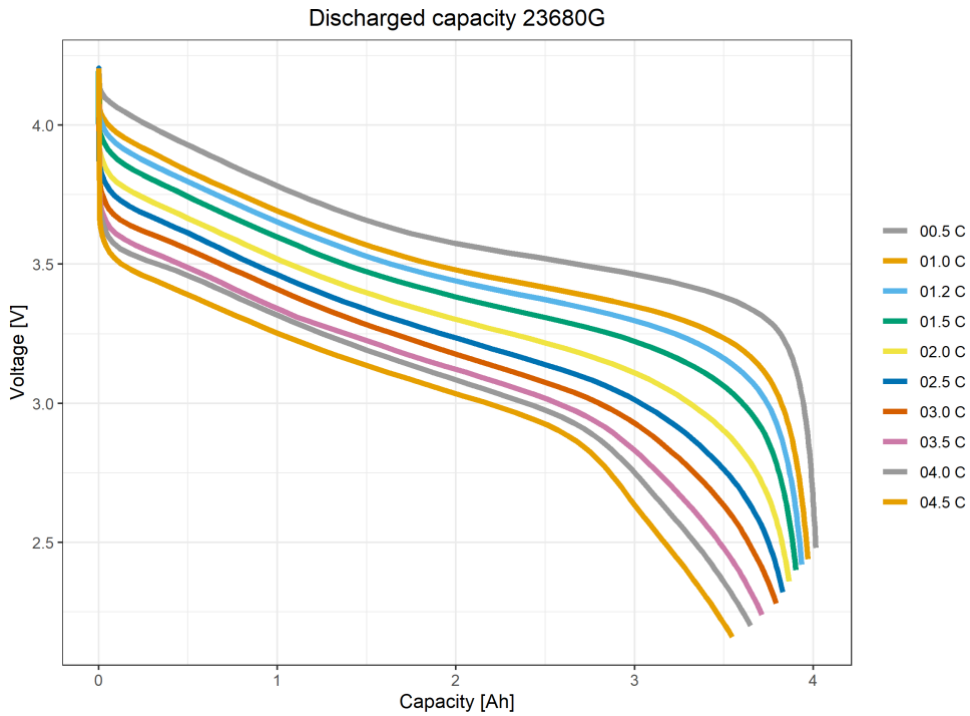
Cell type	23680G-40Ah40
Nominal capacity (discharged with standard profile <1C) \pm 5%	4,00 Ah
Rated capacity (discharging 50% max current till cut-off voltage)	3,60 Ah
Nominal energy (discharged with standard profile <1C)	13,8 Wh
Rated energy (discharging 50% max. current till cut-off voltage)	12,4 Wh
Nominal voltage	4,00 V
Max. recommended charging voltage	4,20 V
Max. float charging voltage **	4,10 V
Recommended cut-off voltage @ 1C	2,70 V
C Rating charging	1,25 C
C Rating discharging	1,25 C
Max. continuous discharging current	5 A
Max. sustained power capability	20,0 W
Equivalent max. resistance	20 m Ω
Dimensions L x W xH mm	23,6 x 23,6 x 68 mm
Recommended transportation voltage	3,50 V
Recommended storage voltage	3,50 V
Operating temperature	-30 to +70 $^{\circ}$ C
Storage temperature	-20 to +45 $^{\circ}$ C
Gravimetric energy density (cells)	197 Wh/kg
Volumetric energy density (cells)	464 Wh/dm ³
Cycles life at 25 $^{\circ}$ C	> 10000 cycles cycles
Retained energy after 28 days at 25 $^{\circ}$ C	92 %
Short circuit temperature	< 150 $^{\circ}$ C
Guarantee period (manufacturing)	12 months
Thermal heat at nominal current	0,32 W

Weight of cells

70,0 g

Fire Hazardous substances: Cells do not pose a fire or explosion risk.

Typical discharged capacity graph (tested at room temperature 25°C +/- 2 °C)



Typical discharged energy graph (tested at room temperature 25°C +/- 2 °C)

