

## Carbon-based Power Capacitor Specifications

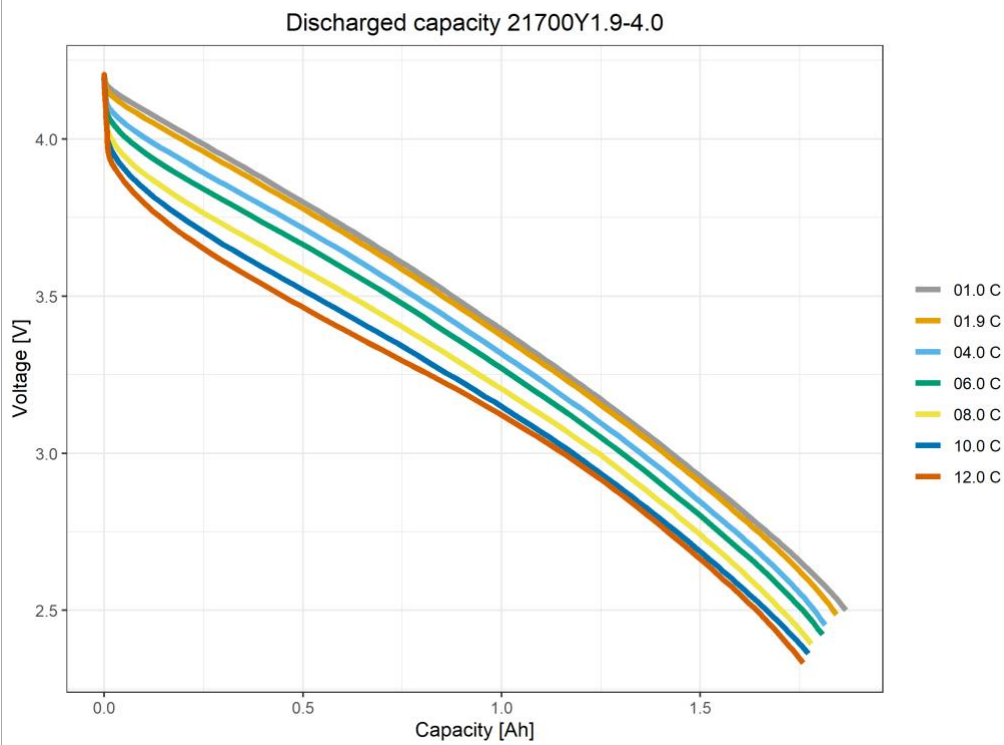
Cell type	21700Y-19Ah40
Nominal capacity (discharged with standard profile <1C) $\pm$ 5%	1,90 Ah
Rated capacity (discharging 50% max current till cut-off voltage)	1,70 Ah
Nominal energy (discharged with standard profile <1C)	6,50 Wh
Rated energy (discharging 50% max. current till cut-off voltage)	5,90 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	2,50 V
C Rating charging	10 C
C Rating discharging	10 C
Max. continuous discharging current	19 A
Max. sustained power capability	76,0 W
Equivalent max. resistance	12 m $\Omega$
Dimensions L x W xH mm	21,7 x 21,7 x 70 mm
Recommended transportation voltage	3,50 V
Recommended storage voltage	4,00 V
Operating temperature	-35 to +80 $^{\circ}$ C
Storage temperature	-20 to +45 $^{\circ}$ C
Gravimetric energy density (cells)	110 Wh/kg
Volumetric energy density (cells)	251 Wh/dm <sup>3</sup>
Cycles life at 25 $^{\circ}$ C	> 20000 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	0,04332 W

Weight of cells

59,0 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)

