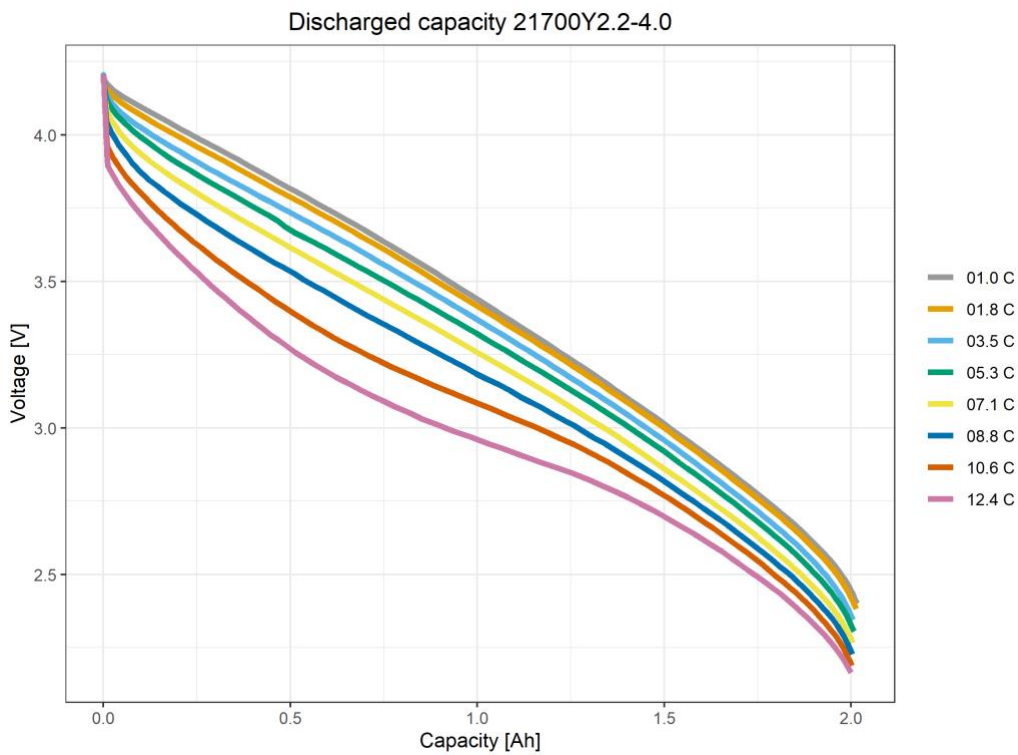


Carbon-based Power Capacitor Specifications

Cell type	21700Y-22Ah40
Nominal capacity (discharged with standard profile <1C) \pm 5%	2,20 Ah
Rated capacity (discharging 50% max current till cut-off voltage)	2 Ah
Nominal energy (discharged with standard profile <1C)	8,00 Wh
Rated energy (discharging 50% max. current till cut-off voltage)	7,26 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	22 A
Max. sustained power capability	88,0 W
Equivalent max. resistance	10 m Ω
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)	129 Wh/kg
Volumetric energy density (cells)	309 Wh/dm ³
Cycles life at 25 $^{\circ}$ C	> 20000 cycles cycles
Retained energy after 28 days at 25 $^{\circ}$ C	> 20000 cycles %
Short circuit temperature	< 150 $^{\circ}$ C
Guarantee period (manufacturing)	12 months
Thermal heat at nominal current	0 W
Weight of cells	62 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)

