



Carbon-based Power Capacitors Specification

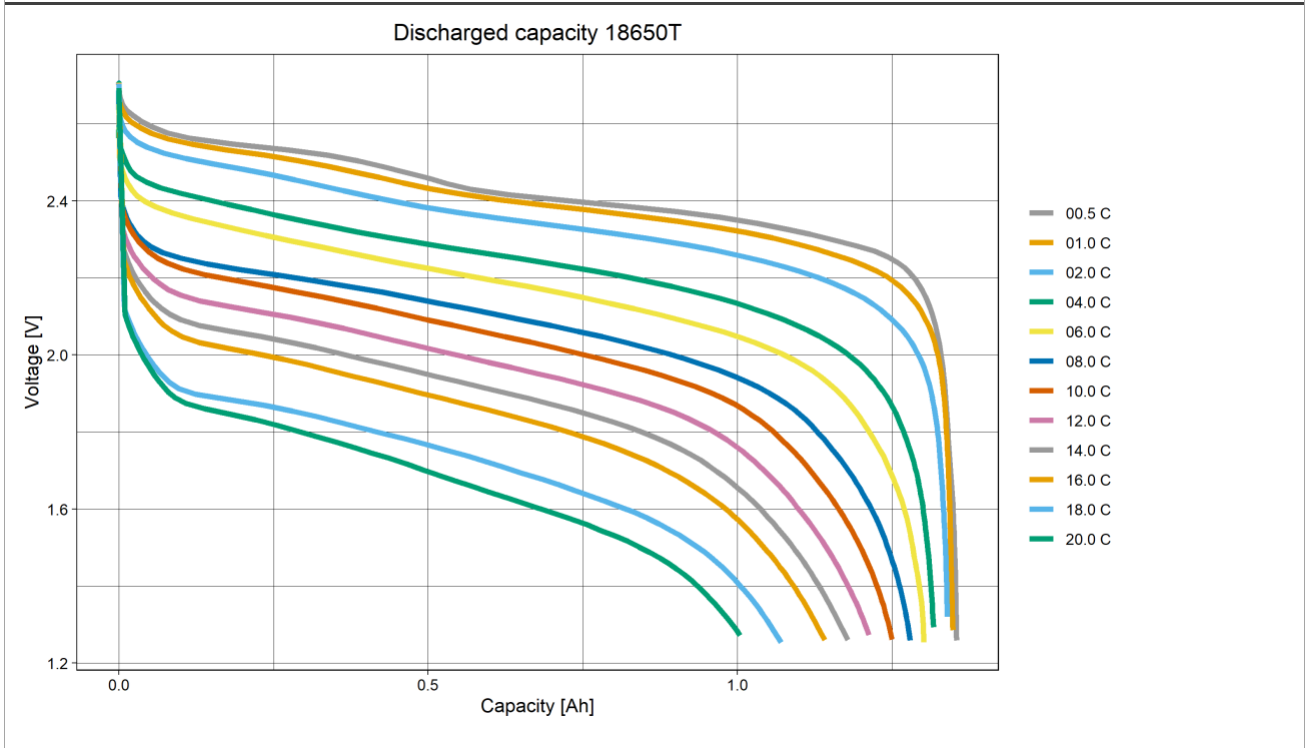
Cell type	18650T-13Ah25
Nominal capacity (discharged with standard profile <1C) \pm 5%	1,25 Ah
Rated capacity (discharging 50% max current till cut-off voltage)	1,20 Ah
Nominal energy (discharged with standard profile <1C)	3,12 Wh
Rated energy (discharging 50% max. current till cut-off voltage)	2,80 Wh
Nominal voltage	2,50 V
Max. recommended charging voltage	2,60 V
Max. float charging voltage **	2,58 V
Recommended cut-off voltage @ 1C	1,60 V
C Rating charging	12 C
C Rating discharging	20 C
Max. continuous discharging current	25 A
Max. sustained power capability	62,5 W
Equivalent max. resistance	13 m Ω
Dimensions L x W xH mm	18,6 x 18,6 x 65,5 mm
Recommended transportation voltage	2,40 V
Recommended storage voltage	2,40 V
Operating temperature	-40 to +80 $^{\circ}$ C
Storage temperature	-5 to +35 $^{\circ}$ C
Gravimetric energy density (cells)	80,0 Wh/kg
Volumetric energy density (cells)	180 Wh/dm ³
Cycles life at 25 $^{\circ}$ C	> 20000 cycles cycles
Retained energy after 28 days at 25 $^{\circ}$ C	95 %
Short circuit temperature	< 150 $^{\circ}$ C
Guarantee period (manufacturing)	12 months
Thermal heat at nominal current	0,0203125 W

Weight of cells

39,0 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 capacity graph (tested at room temperature 25°C +/- 2 °C)

