

Carbon-based Power Capacitor Specifications



	221128G-200-40	
Nominal capacity (discharged with standard profile <1C) \pm 5%	20,0	Ah
Nominal energy (discharging @1C till cut-off)	77,0	Wh
Nominal voltage	4,00	V
Recommended cut-off voltage @ 1C	2,50	V
Max. recommended charging voltage **	4,20	V
Rated energy (discharged 50% max. current until the cut-off voltage) (cell)	69,3	Wh
Max. C-rate charging *** (cell)	1,25	C
Max. C-rate discharging *** (cell)	1,5	C
Max. continuous charging current *** (cell)	25,0	A
Max. continuous discharging current *** (cell)	30,0	A
Max. sustained power capability *** (cell)	100	W
Ohmic Resistance Ri (@50% SoC)	\leq 2	m Ω
Gravimetric energy density (cells) (@1C)	220	Wh/kg
Volumetric energy density (cells) (@1C)	327	Wh/dm ³
Gravimetric power density (cells) @ max. C-rate	343	W/kg
Cycles life at 25°C	> 20.000	cycles
Dimensions of cell	221 x 7,5 x 142	mm
Recommended transportation voltage	3,50	V
Recommended storage voltage	3,50	V
Operation temperature	-20 to +55	°C
Storage temperature	-20 to +45	°C
Weight of cells	350	g
Guarantee period (manufacturing)	12	months
Fire Hazardous substances: Cells do not pose a fire or explosion risk.		

* Custom designed. Specifications might deviate.

** Cell damage possible outside these margins

*** Max. C-rating of powerpack is limited by selected cable and connector parameters and can be lower than theoretical maximum derived from cell parameters. C-rates can be higher than maximum for a short duration. Contact Altreonic case by case.

www.kurt.energy
18 October 2022