

Preliminary

Carbon-based Power Capacitor Specifications



	4050G-025-40	
Nominal capacity (discharged with standard profile <1C) \pm 5%	2,50	Ah
Nominal energy (discharging @1C till cut-off)	8,00	Wh
Nominal voltage	4,00	V
Rated energy (discharged 50% max. current until the cut-off voltage) (cell)	7,20	Wh
Max. sustained power capability *** (cell)	12,5	W
Ohmic Resistance Ri (@50% SoC)	\leq 2	m Ω
Gravimetric energy density (cells) (@1C)	160	Wh/kg
Volumetric energy density (cells) (@1C)	400	Wh/dm ³
Cycles life at 25°C	> 20.000	cycles
Dimensions of cell	50 x 40 x 10	mm
Weight of cells	50	g
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.