

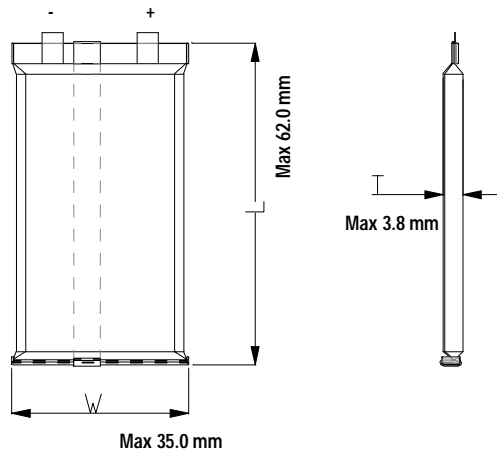
PRODUCT SPECIFICATION – DLP383562G5B



LITHIUM ION POLYMER RECHARGEABLE BATTERY

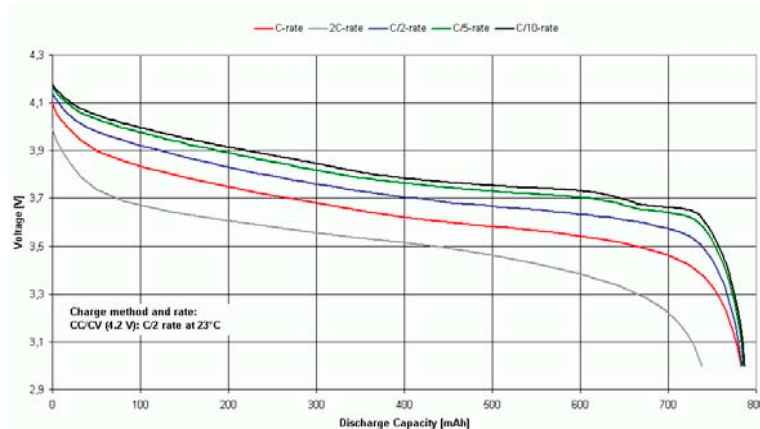
Through a combination of high energy and power density, a patented polymer electrolyte and soft packaging concept the Danionics Lithium-Ion Polymer Battery offers distinct advantages to Original Equipment Manufacturers in the portable electronics industry.

Mechanical dimensions



Swelling of max. 5% over battery life is not included in the specification.

Performance



Specifications

Minimum capacity	800mAh	
Typical capacity	840mAh	
Nominal voltage	3.7V	
Charging method	CC-CV	
Charging voltage	4.2V	
Discharge voltage (cut-off)	2.75V	
Charging current	400mA	
Charging time	<2.5 hours at 0.5C charge current	
Ambient temperature	Charge	0 – 50° C
	Discharge	-20 – 60° C
	Storage	-20 – 60° C
Weight	16g +/- 2g	
Volumetric energy density	387Wh/l	
Gravimetric energy density	200Wh/kg	
Cycle life	More than 400 cycles (to 80% initial capacity)	
AC-impedance	60mΩ (at 1kHz frequency)	
Nominal energy	3.0Wh (2W power load, from 4.2V to 3.0V)	

Contacts

Danionics reserves the right to alter or amend the design, model and specification without prior notice. For the latest update please contact us.

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