

Lithium Ion Capacitors

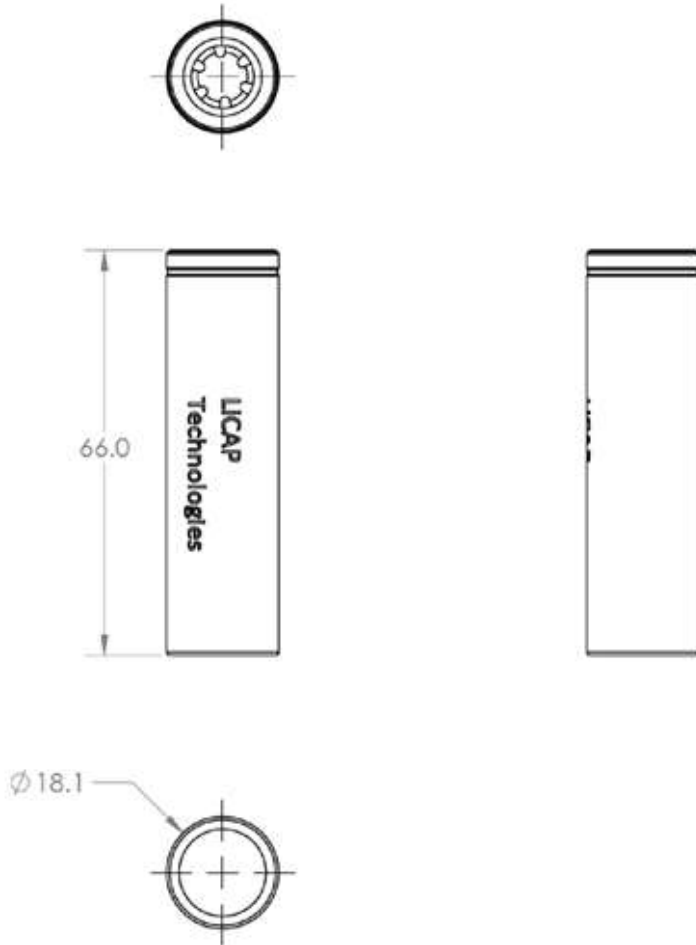
Lithium Ion Capacitors (LIC) are long life, maintenance free energy storage solutions for a variety of systems and applications. LIC's are ideal in situations where battery maintenance and replacement are inconvenient, costly or impossible. High current charge / discharge capability, low self-discharge rate and a wide operating temperature range are a few other beneficial characteristics of the LIC. With a calendar life greater than 10 years and a 1M cycle life, an LIC can be designed in to last the entire life of a system. LIC's have greater than 2x the energy density of an ultracapacitor and are a safe technology, even under extreme operating conditions.



LC0200-380-ASW			
SPECIFICATIONS*			CONDITIONS
Voltage	Nominal	3.8V	
	Minimum	2.2V	
	Maximum	4.2V	Max 1s
Capacitance	Rated	200F	3A CC
	Minimum Initial	200F	
Operating temp. range	-20°C to +70°C		
Internal Resistance (DC)	ESR Typical	30mΩ	3A CC
	ESR Max	50mΩ	
Energy	Usable Energy	.27 Wh	$1/2C(V_{nom}^2 - V_{min}^2)/3600$
	Energy Density	8.88 Wh/kg	$1/2C(V_{nom}^2 - V_{min}^2)/3600/.03$
Max Power	Power Density P_{max}	4,011 W/kg	$.25(V_{nom}^2)/(ESR_{typ}/1000)/.03$
Self-Discharge	Voltage drop	< 5%	After 3 months at +25°C
Cell size	Cylindrical	18mm x 65mm	Spot weld terminal, Axial
Weight		30g	
*Values are typical and subject to change without notice.			

LICAP cells are manufactured in our Sacramento, California facility.

Reference Drawing



For more information, please contact:

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