

FAAM LC01 CELL

The First Italian Lithium Cell



LC01 / 50Ah

Battery Chemistry	LFP
Nominal Capacity	Ah 50
Capacity Usable (DoD 80%)	Ah 40
Nominal Energy	kWh 160
Energy Usable (DoD 80%)	kWh 128
Nominal Voltage	V DC 3,2
Minimum Voltage (Cut-off)	V 2,5
Maximum Voltage	V 3,65
Nominal Current in Discharge	A 50
Maximum Continuous Current in Discharge (25°C)	A 100
Peak Current in Discharge (10s)	A 150
Nominal Current in Charge	A 12,5
Maximum Continuous Current in Charge (25°C)	A 50
Nominal Power in Discharge	W 160
Maximum Continuous Power in Discharge (25°C)	W 320
Peak Power in Discharge (10s)	W 480
Nominal Power in Charge	W 40
Maximum Continuous Power in Charge (25°C)	W 160
AC IR	mΩ max 2,0
AC IR	mΩ max 3,0
Efficiency (25°C)	% 98
Estimated Life	> year 10
Estimated Life in Cycles (25°C, DoD 80%)	> 4000
Functioning Temperature in Discharge	°C -20 / +55
Functioning Temperature in charge	°C 0 / +45
Optimal Functioning Temperature	°C 23±3
Storage Temperature	°C 23±3
Self Discharge	%month 2
Operating Condition for Humidity	R.H. 0÷60
Thickness	mm 12.65 ±
Width	mm 194.1 ± 1
Length	mm 219.5 ± 1
Weight	Kg 0.95
Energy density - Volumetric	Wh/l 297
Energy density - Gravimetric	Wh/Kg 167