

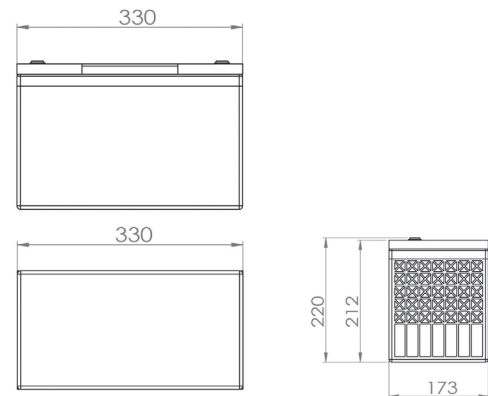
Lithium Deep-Cycle Battery

LI-10012C

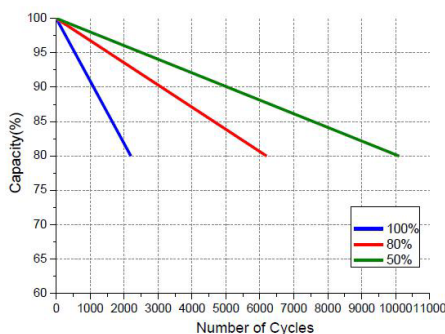
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POWER ⚡ LINE

Technical Specifications

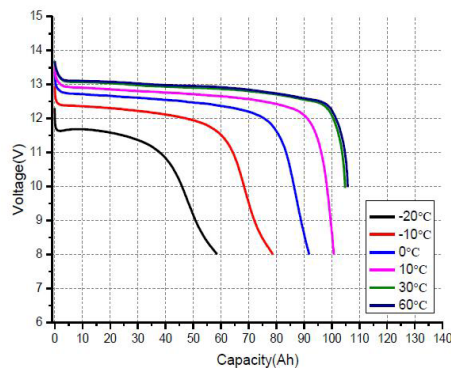
Performance Specifications	General Parameters
Nominal Voltage	12.8 V
Rated Capacity (77°F/25°C)	100 AH
Minimum Capacity (77°F/25°C)	99 AH
Dimensions (mm)	BCI 31
Length	330
Width	173
Height	212
Life Expectation	2000 times cycle life at 100% DOD
Approximate Weight kg.	11 kg
Discharge Cut-Off Voltage	10.0 V = 2.5 V per cell
Charging Cut-Off Voltage	14.6 V = 3.65 V per cell
Terminals	M8
Standard Charge	20.0A @ 14.6volts
Standard Discharge	Constant current 20.0 A, cut-off voltage 10.0 V
Cell Assembly	4S1P (3.2 V 100 Ah) or 4S1P P(3.2 V 6 AH)
Maximum Continuous Charge Current	30A @ 20 °C
Maximum Continuous Discharge Current	50A @ 20 °C
Charge Temperature Range	0 to 55 °C
Discharge Temperature Range	-40 to 60°C
Storage Temperature Range	0 to 50°C Humidity 0 to 75 % RH
Specific Energy	116 Wh/kg
Protocol	Optional (SMBus or others)
Circuit Protection	Over charge, Over discharge, Over temp, Short, Balance
Case material	ABS case
LED Indicator	Optional



Different DOD Discharge Cycle Life Curve



Discharge Curves at Different Temperature



12.8V100Ah Charge-Discharge Curve 0.2C, 25°C

