



Technical Data

Model

SPECTRA-NMC-3610

High Performance & Long Life

Delivers over 1000 cycles at 100% Depth of Discharge (DoD), consistent power with low degradation rate

Environment & Safety Focused

IP65 rated- Protection against dust and solids

Robust & Compact Design

Enclosure: ABS Plastic
Connectors: Charge-DC 2.1/ DC 2.5/ 3 PIN,
Discharge- Self-made 4 PIN

Battery Management System (BMS)

10S15A Hardware BMS

Main Parameter		
Battery Chemistry		NMC
Capacity (Ah)		10.4
Nominal Voltage (V)		36
Operating Voltage (V)		29-42
Nominal Energy (Wh)		374.4
Usable Energy (Wh)		374.4
Charge/Discharge Current (A)	Recommended	+5.2/-5.2
	Max.	+10.4/-10.4
	Peak(25°C)	+10.4/-10.4
Other Parameter		
Recommend Depth of Discharge		100%
Dimension (L*W*H, mm)		353X88X93
Weight Approximate(kg)		5
IP Rating of Enclosure		IP65
Operating Temperature		0-60
Recommend Operating Temperature (°C)		Charge: 5-50, Discharge: 0-60
Storage Temperature		At 30% SOC, 25-45°C
Humidity		90% RH
Altitude		<2000 m
Cycle Life		1000 Cycles
Application		E-Cycles
Warranty Period		2 years
Energy delivered over lifetime (kWh)		299.5

DC Usable Energy, test conditions: 100% DOD, 0.5C charge & 1C discharge at 25°C. System usable energy may vary due to system configuration parameters.

Description of the battery

The Spectra battery series is the product engineered for E-cycle applications. The system integrates a Hardware Battery Management System (BMS) that protects from over charge, over discharge, over temperature and short circuit.

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