



Technical Data

Model

SPECTRA-NMC-3605



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)	5.2
Nominal Voltage (V)	36
Operating Voltage (V)	29-42
Nominal Energy (Wh)	187.2
Usable Energy (Wh)	187.2
Charge/Discharge Current (A)	Recommended
	+2.6/-2.6
	Max.
Peak(25°C)	+5.2/-5.2
	+5.2/-5.2

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)	149.76

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.