



High Performance & Long Life

Delivers over 2000 cycles at 100% Depth of Discharge (DoD), consistent power with low degradation rate

Environment & Safety Focused

IP65 rated- completely dust-tight and protects against low-pressure water jets from any direction

Robust & Compact Design

Enclosure: CRCA

16S40A intelligent smart BMS protects against overcharge, over-discharge, short circuit., over temperature

Technical Data

Model	VELOCITI-LFP-5130
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Main Parameter

Battery Chemistry		LFP
Capacity (Ah)		30
Nominal Voltage (V)		51.2
Operating Voltage (V)		40-58.4
Nominal Energy (kWh)		1.53
Usable Energy (kWh)		1.53
Charge/Discharge Current (A)	Recommended	+10/-15
	Max.	+15/-30
	Peak(25°C)	+15/-30

Other Parameter

Recommended Depth of Discharge	100%
Dimension (L*W*H, mm)	160 x 179 x 277
Weight Approximate(kg)	15
IP Rating of Enclosure	IP65
Operating Temperature	0-55
Recommend Operating Temperature (°C)	Charge: 0-55, Discharge: -10-60
Storage Temperature	At 50% SOC, 25-45°C
Humidity	90% RH
Altitude	<2000 m
Cycle Life	1000
Application	E-2W
Warranty Period	2 years
Energy delivered over lifetime (kWh)	2440

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

Description of the battery

The VELOCITI-LFP-5130 battery is the product engineered for E-2W applications. The system integrates an intelligent Battery Management System (BMS) that provides monitoring of cell voltages, current, and temperature. The BMS also performs passive cell balancing to enhance consistency and maximize service life.