



High Performance & Long Life

Delivers over 3500 cycles at 100% Depth of Discharge (DoD), consistent power with low degradation rate



Environment & Safety Focused

IP67 rated- complete protection against dust and solids, protection from thermal runaway.

Robust & Compact Design

Enclosure: CRCA
Connectors: SB50

Smart Connectivity Options

IOT
RS485, CAN, Bluetooth s

Battery Management System (BMS)

16S80A smart BMS, IOT feature, real-time protection against overcharge, over-discharge, short circuit, temperature spikes, and thermal runaway.

Technical Data

Model	TEZZ-LFP-51100
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Main Parameter

Battery Chemistry		LFP
Capacity (Ah)		100
Nominal Voltage (V)		51.2
Operating Voltage (V)		40-58.4
Nominal Energy (kWh)		5.12
Usable Energy (kWh)		5.12
Charge/Discharge Current (A)	Recommended	+50/-50
	Max.	+80/-80
	Peak(25°C)	+80/-80

Other Parameter

Recommend Depth of Discharge	100%
Dimension (L*W*H, mm)	490 x 321 x 310
Weight Approximate(kg)	52.5
IP Rating of Enclosure	IP67
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	3500 Cycles
Application	E3W
Warranty Period	3 years
Energy delivered over lifetime (kWh)	14336

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 Tezz battery series is the product engineered for E-3W applications. The system integrates a Smart Battery Management System (BMS) that provides monitoring of cell voltages, current, and temperature.