

FERRO-LV SERIES

FES-16K-LV



High Performance & Long Life

Delivers over 6000 cycles at 90% Depth of Discharge (DoD)

Environment & Safety Focused

IP20 rated- suitable for indoor applications

Robust & Compact Design

Enclosure: CRCA powder coated

Connectors: Double threaded terminal connector

Smart Connectivity Options

RS485, Bluetooth, CAN

Battery Management Systems (BMS)

16S 200A BMS intelligent BMS, real time protection against over charge, over discharge, over & under temperature, short circuit



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Technical Data

Model		FES-16K-LV
Main Parameter		
Battery Chemistry		LFP
Built-in Circuit Breaker		Yes
Capacity (Ah)		314
Nominal Voltage (V)		51.2
Operating Voltage (V)		40-58.4
Nominal Energy (kWh)		16.076
Usable Energy (kWh)		14.467
Charge/Discharge Current (A)	Recommend	±157
	Max.	±157
	Peak(25°C)	±157
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (L*W*H, mm)		920*490*240
Weight Approximate(kg)		130
IP Rating of Enclosure		IP20
Operating Temperature (°C)		0-55
Recommend Operating Temperature(°C)		Charge: 0°C - 55°C, Discharge : -20°C - 60°C
Storage Temperature		At 50% SOC, 25°C - 45°C
Humidity		90% RH
Altitude		<2000 m
Cycle Life		6000 cycles till 70% SOH
Installation		Wall
Communication port		RS485,CAN
Warranty Period		10Years
Energy over lifetime (kWh)		78772

DC Usable Energy, test conditions: 90% DOD, 157A charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

Description of the battery

The lithium iron phosphate (LiFePO₄) battery series is an advanced energy storage product engineered for stable and reliable power supply across diverse applications. Its design makes it particularly suitable for The system integrates an intelligent Battery Management System (BMS) that provides real-time monitoring of cell voltage, current, and temperature. The BMS also performs passive cell balancing to enhance consistency and maximize service life.