EFLOW

BUILD FOR EVERY WATT

DAY & NIGHT

Powering Every Moment.

Premium $LiFePO_4$ Home UPS Battery

HOME UPS BATTERY

Power that keeps the home moving.

12.8V
NOMINAL VOLTAGE

100Ah
RATED CAPACITY

1,280Wh
NOMINAL ENERGY

Compatible with all sine wave inverters.
A compact, maintenance-free $LiFePO_4$ system with intelligent BMS protection.

Manufactured by Shizen Energy India Pvt. Ltd.
Marketed by Uzhavan Aautomation

EFLOW

BUILT FOR EVERY WATT

LFP BATTERIES

MARKETED BY

UZHAVAN AAUTOMATION

Since 2014

Control Panels Manufacturer based in Udumalpet, delivering reliable and innovative electrical solutions for over a decade.

MANUFACTURED BY

SHIZEN ENERGY

Established in 2019

Shizen Energy India has rapidly emerged as a leading lithium battery pack manufacturer, delivering high-performance, safe and sustainable energy solutions across India.

NOW OFFERING

Leading Technology
LFP Batteries for
Home UPS Systems

CERTIFICATIONS

ISO 14001:2015
Environmental Management

ISO 45001:2018
Occupational Health & Safety

ISO 9001:2015
Quality Management

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www.shizenenergy.in

EFLOW LFP BATTERIES

AVAILABLE OPTIONS

12V 100Ah
1,280Wh

12V 200Ah
2,560Wh

24V 100Ah
2,560Wh

24V 200Ah
5,120Wh

51.2V 100Ah



LFP BATTERIES

ADVANTAGES

SUPERIOR SAFETY
Lithium Iron Phosphate chemistry ensures maximum safety and stability.

LONG CYCLE LIFE
2,000 – 3,000 cycles @ 90% DOD for a longer and reliable life.

HIGH PERFORMANCE
Consistent power output with high energy efficiency.

WIDE TEMPERATURE RANGE
Operates efficiently in extreme conditions (-20°C to 60°C).

ENVIRONMENT FRIENDLY
Non-toxic, non-polluting and 100% recyclable.

LOW MAINTENANCE
Maintenance-free with advanced BMS protection.

SMART BMS PROTECTION
Built-in BMS protects against overcharge, over-discharge, short circuit, and more.

EFLOW LFP BATTERIES



SIDE VIEW

TOP VIEW

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECS	
Nominal Voltage	12.8V
Rated Capacity	100Ah (1,280 Wh)
Charging Mode	CC/CV (Constant Current / Constant Voltage)
CHARGE & DISCHARGE LIMITS	
Low-Voltage Discharge Cut-off	10.8V
Maximum Charging Voltage	14.8V
Max Continuous Discharge Current	100A (supports up to 1200W load)
Max Charging Current	50A (100A optional configuration)
Peak Discharge Current	150A (for 3 second surge)
MECHANICAL & BUILD	
Outer Cover Material	Powder-coated sheet metal casing
Approximate Weight	13 kg
Dimensions (H × L × W)	360mm × 230mm × 180mm
PERFORMANCE & ENVIRONMENT	
Cycle Life	2,000 – 3,000 cycles @ 90% DOD
Self-Discharge Rate	≤ 3% per month
Discharge Temperature Range	-20°C to 60°C
Charging Temperature Range	0°C to 45°C
BMS High-Temp Cut-off	65°C
communication	RS485, CANBus,Bluetooth Optional
enclosure type	CRCA 1.2mm iron sheet, electro-plated and powder coated

EFLOW LFP BATTERIES

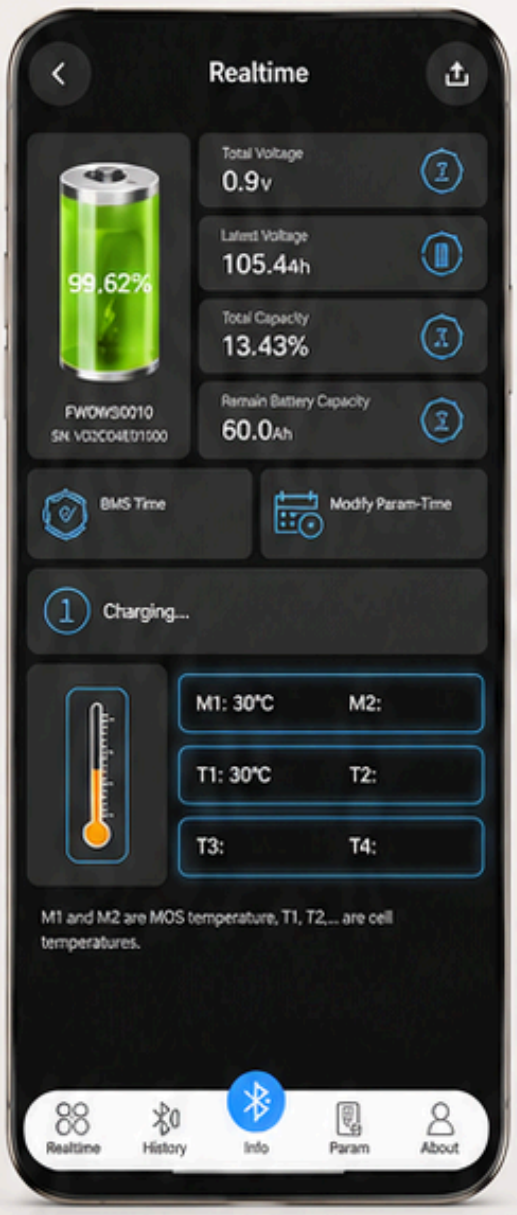
INTELLIGENCE AT A GLANCE

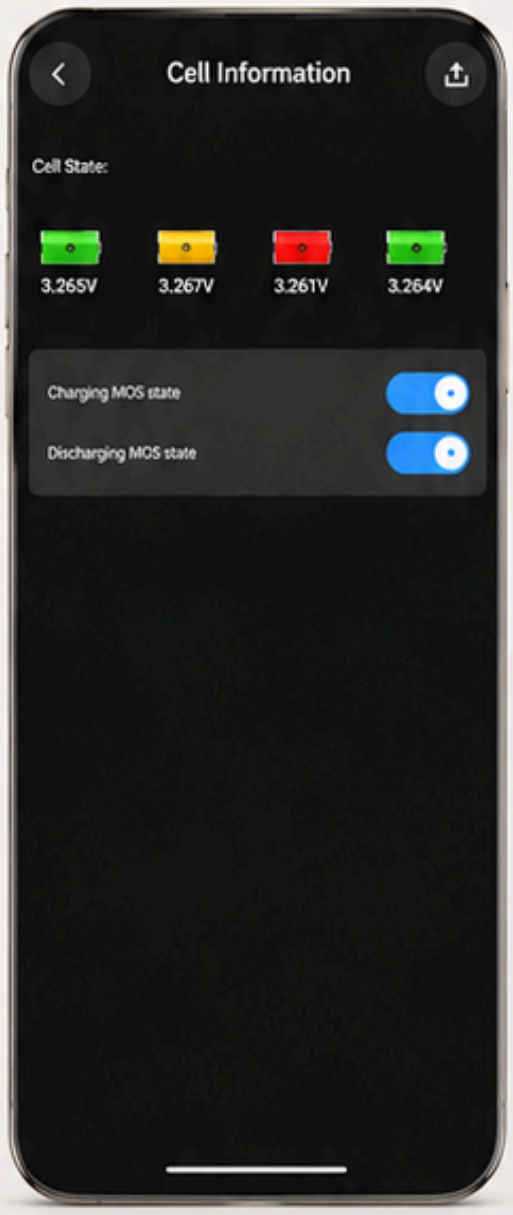
Your battery.
In your pocket.

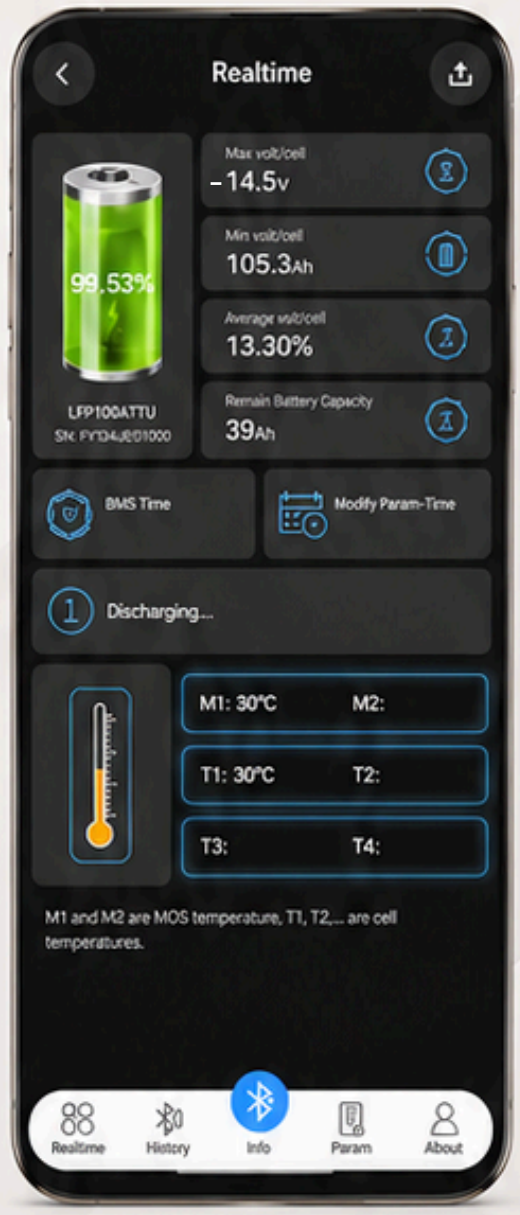
Stay connected with the BMS Bluetooth app. See the battery as it charges, discharges and balances—without opening the enclosure.



MONITOR • UNDERSTAND • PROTECT







CHARGING
Live charging status

CELL STATUS
Real-time power usage

DISCHARGING
Live discharge status