

VION

Life on. Power on.

Lithium-ion Battery
For Home UPS, Inverters
& Integrated Solutions



60*
MONTHS
WARRANTY

PRODUCT CATALOGUE

VION
Life on. Power on.

Marketed by **VSL PowerHive Private Limited**
Registered Office Biowonder, Unit No 1102, 11th Floor, 789 Anandapur Main Road
Eastern Metropolitan Bypass, EKT, Kolkata 700107
Manufactured at
1) Plot No 81, DLF Industrial Area, Phase1, Faridabad, Haryana 121003
2) Khasra No 181, Raipur Industrial Estate, Bhagwanpur, Roorkee 247661, Uttarakhand

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MESSAGE FROM OUR CEO



At PowerHive, we build energy storage that works in the real world, not just on spec sheets. India's power needs are changing fast, and reliable storage is now as essential as generation.

That's why we created VION, our lithium battery brand for everyday and commercial use cases, designed around the things customers care about – safety, consistent performance, long life, and dependable service support. Whether it is home backup, solar storage, electric mobility, or small-business power needs, VION is engineered to deliver predictable output over years, not months.

Our commitment is simple

- **Build trustworthy products,**
- **Be clear and honest in how we sell them,**
- **Stand by customers after the sale.**

As we scale, we'll keep investing in quality, testing, and service networks so that PowerHive becomes a name people associate with confidence.

Arun Mittal



VION is a next-generation lithium battery energy storage brand delivering reliable, high-performance solutions for everyday power needs. Built around the way people actually use energy in India, VION prioritises safety, long service life, and consistent output – even across frequent cycling, variable loads, and demanding operating conditions.

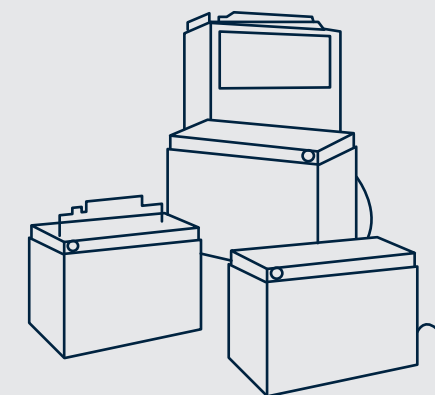
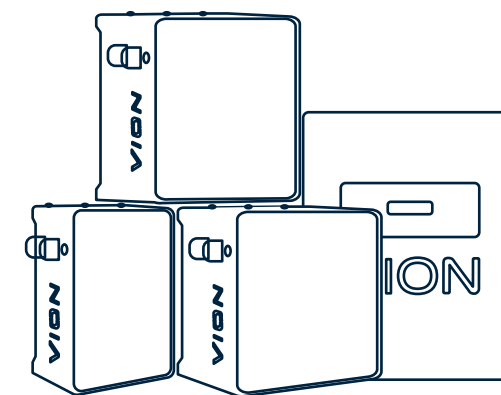
Powered by  **vikram solar**

VION is the flagship brand of PowerHive, a wholly owned subsidiary of Vikram Solar, established to meet India's rapidly growing demand for advanced energy storage systems and solutions. Backed by a strong manufacturing-led ecosystem and a presence across multiple international markets, this foundation strengthens VION's commitment to dependable products and responsive support throughout the battery life cycle.

Built for real-world performance, we bring future-ready energy storage for homes, businesses, and communities

TURN THE RIGHT CHOICE – ON

	LITHIUM FERRO PHOSPHATE (LFP) BATTERY (12.8V - 100AH)	LEAD ACID BATTERIES (12V - 160Ah)
Battery Type	LiFePO ₄ (Lithium Ferro Phosphate)	Tubular Lead Acid
Usable Capacity	~95 - 100Ah (up to 97% DOD)	~80 - 90Ah (50 - 60% DOD)
Cycle Life	3000+ cycles	~600 - 800 cycles
Charging Time	3 - 4 hours @30A	12 - 15 hours
Weight	~12 - 13 Kg	~55 - 60 Kg
Size (Approx)	Compact and lightweight, wall mounted	Larger and bulky
Efficiency	90 - 97%	60 - 75%
Self-Discharge Rate	<1 - 2% per month	4 - 5% per month
Maintenance	Zero maintenance	Requires regular maintenance
Environmental Impact	Environment friendly, pollution free in usage	Contains lead and acid (toxic)
Safety	In-built BMS, no leakage	Risk of acid spill, gas emission
Total Cost of Ownership	Saves money over time	Becomes expensive over time
Cost	One-time quality investment	Recurring expense
Peukert's Constant (k)	100Ah still delivers ~95 - 100Ah even at high load	160Ah battery may give only ~80Ah at high load

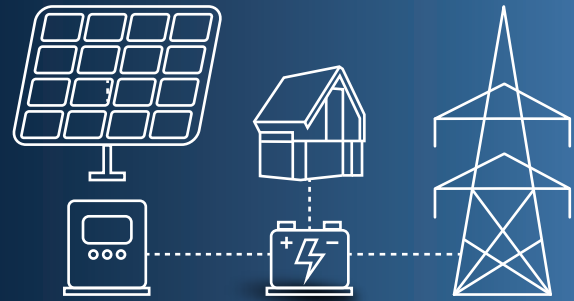


APPLICATION

HOME INVERTER BACKUP



SOLAR OFF-GRID AND HYBRID SYSTEMS



SMALL INDUSTRIAL USE AND UPS SYSTEMS



FAQs

1 What is the lifespan of this lithium-ion battery?

The battery offers up to 3000 life cycles and lasts 5 years under standard usage.

2 Is it safe for home use?

Yes, it comes with a smart BMS providing protection against overcharging, deep discharge, short-circuit, and overheating.

3 Can I use this battery for solar applications?

Absolutely. It's ideal for solar rooftop systems and ensures maximum efficiency with $\geq 97\%$ performance.

4 How long does it take to fully charge?

It can be charged in just 2.5 hours @40A, ensuring fast energy availability.

5 What warranty does it come with?

The battery is backed by a 5-year manufacturer warranty for peace of mind.

KEY BENEFITS



LONGER LIFE

3,000–3,500 cycles with up to 5 years of dependable use.



BMS PROTECTION

Helps prevent overcharge, deep discharge, and thermal risks.



HIGH EFFICIENCY

$\geq 97\%$ efficiency with fast charging and stable, consistent output.



CLEAN & SAFE

No acid spills or toxic fumes, and an eco-friendlier setup.



ZERO MAINTENANCE

No water topping, no acid refilling, no corrosion issues.



WALL MOUNTABLE

Compact, space-saving, and designed for a clean installation.

LIFE POWER **ON ON**

