

CLEAN ENERGY, ROOTED IN SELF-RELIANCE



About Kushmanda Power Limited

Kushmanda Power Limited (KPL) is at the forefront of India's clean energy revolution. Established on May 9, 2024, and registered under the Ministry of Corporate Affairs, KPL is committed to redefining the renewable energy landscape through its innovative approach to Lithium-ion battery (LIB) technology.

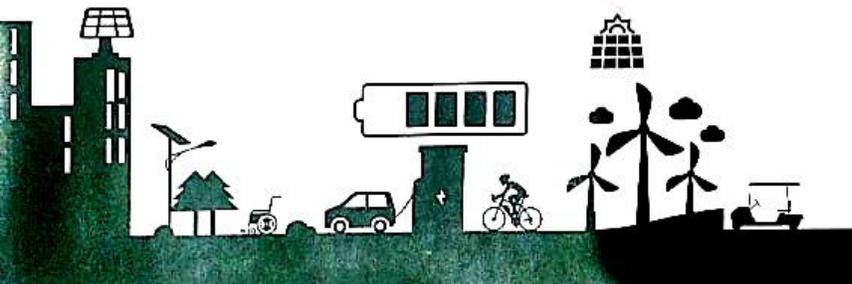
With a clear focus on the future, KPL specializes in the development and assembly of state-of-the-art LIB packs under the brand **Powering Progress**. Fully aligned with the national Atmanirbhar Bharat initiative, KPL champions local manufacturing, driving self-reliance and fostering the domestic capabilities required for a sustainable and secure energy future.

Our operational facility in Noida, with a current capacity of 1 GWh, is a testament to our technical expertise and commitment to quality. Complementing this is our upcoming world-class manufacturing plant in Kathua, Jammu & Kashmir, which is expected to commence operations by the end of 2026 with an impressive capacity of 5 GWh. This new facility represents our unwavering dedication to advancing India's energy infrastructure and scaling up production to meet the nation's growing demand for clean, efficient energy storage solutions.

KPL is not simply addressing the energy challenges of today; we are reshaping the future of energy. By harnessing cutting-edge technologies and deploying highly automated, robotic production processes, we deliver LIB solutions that are not only reliable and efficient but also sustainable. Our products power both mobility and stationary applications, setting new standards for performance and innovation in the energy sector.

At Kushmanda Power Limited, we are committed to building a brighter, cleaner, and more self-reliant future for India. With every breakthrough, every innovation, we reaffirm our role as leaders in the global shift toward renewable energy, driving progress toward a future where energy is abundant, accessible, and sustainable for all.

Powering
Progress
with
Lithium-Ion
Innovation



- **Clean Energy Leadership** – Kushmanda Power Limited (KPL) is at the forefront of India's clean energy revolution.
- **Focus on Lithium-Ion Technology** – Specializes in developing and assembling state-of-the-art Lithium-Ion Battery (LIB) packs under the brand BHARATCELL.
- **Aligned with Atmanirbhar Bharat** – Champions local manufacturing to drive self-reliance and build domestic capabilities for a sustainable and secure energy future.
- **Advanced Manufacturing** – Utilizes cutting-edge technology and robotic automation for precision, efficiency, and consistency.
- **Versatile Applications** – Provides reliable and sustainable LIB solutions for both mobility and stationary energy needs.
- **Innovation & Sustainability** – Committed to innovation, energy self-reliance, and shaping a cleaner, greener future for India.



Mission

To deliver high-quality, reliable renewable energy solutions that empower a sustainable future.

Vision

Unmatched Value. Exceptional Quality. Breakthrough Innovation.

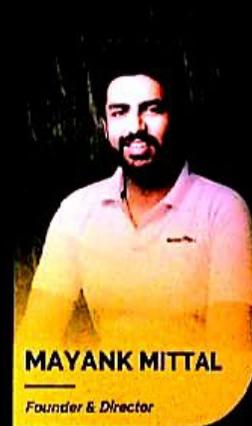
United by Innovation. Driven by Purpose.

At Bharatcell, our strength is our people. Backed by decades of experience in energy, automotive, and electronics, our expert team drives innovation in lithium-ion technology, R&D, and quality. United by a shared vision, we deliver reliable, efficient, and eco-friendly battery solutions that meet global standards.



RUPESH GARG

Founder & Managing Director



MAYANK MITTAL

Founder & Director

Core Competency



Segment



Tailor-Made
Solutions



Smart Features



Modular



Pan India Presence



Strong R&D
Team



State of the Art
Machinery

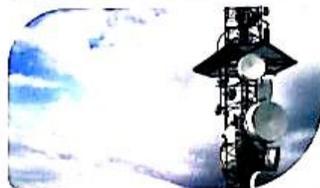
Our product range



EV Batteries



Energy Storage System



Telecom Batteries



Traction Batteries



Aviation Batteries

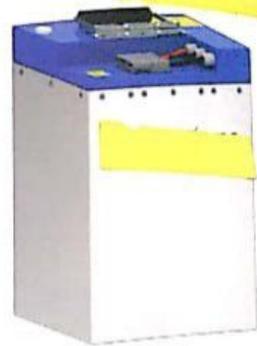


Features:

- ✦ High Energy Density & Lightweight
- ✦ Fast Charging
- ✦ Long Cycle Life
- ✦ Built-in Safety (BMS)
- ✦ Eco-Friendly
- ✦ Smart Connectivity (Optional)



WHERE INNOVATION
MEETS ENERGY
SECURITY.



01 | Lithium-ion 2W Batteries

Bharatcell (OPV) brings you advanced Lithium-ion Batteries for Electric Two-Wheelers — designed to deliver unmatched performance, long life, and high safety standards. Perfect for scooters, bikes, and lightweight EVs, these batteries are the heart of India's growing green movement.

✦ 48V - 15AH to 60AH

✦ 60V - 20AH to 60AH

✦ 72V - 15AH to 60AH



High Cycle Life



IP67



Fireproof



Smart BMS



Fast Charging



02 Lithium-ion 3W Batteries

At Bharatcell, we're driving India's electric revolution with our advanced Lithium-ion Batteries, specially designed for three-wheeler electric vehicles. Built for Indian roads and climate, our batteries deliver unmatched performance, reliability, and long-term value.

Bharatcell deals in L3 & L5 category. This marks their commitment in powering a broader range of vehicles, ensuring enhanced performance and reliability.



Features



2000-2800 Cycles



IP67



Fireproof



Smart BMS



Fast Charging

⚡ 51.2V - 100AH to 230AH - 304AH

⚡ 51.2V - 150AH to 200AH - 100AH to 200AH

⚡ 51.2V - 230AH to 304AH - 51.2V - 100AH to 200AH



UNSTOPPABLE POWER
FOR EVERY MILE

03

Telecom Batteries

- At Bharatcell, we specialize in advanced Telecom Lithium-ion Batteries tailored for modern communication networks.
- Our batteries are engineered for high performance, long operational life, and reliable power backup.
- Designed to support seamless telecom infrastructure operations with consistent and efficient energy delivery.



Technical Details

- 48V-100Ah battery rack with Smart BMS
- Ready to take up any site load
- Reliable solution for telecom tower power need



**SWITCH TO SMARTER
TELECOM SOLUTIONS**



Features



Longer cycle life



Maintenance free



Compatible with Standard 19" panel



Smart BMS



Fast Charging

04

Lithium-ion Traction Batteries



With a legacy of innovation and quality manufacturing, Bharatcell KPL leads the way in clean energy solutions. Our traction batteries are engineered for performance, safety, and sustainability, helping businesses and transport systems transition to electric with confidence.

High Power. Superior Performance. Reliable Batteries.

Charges Twice as Fast as Lead-Acid Batteries

Less time to recharge, our lithium-ion batteries get you back to work faster. With rapid charging and consistent performance across cycles, they're perfect for applications where downtime is not an option.

Reduces Electricity Costs by Up to 50%

With cutting-edge technology, our lithium-ion batteries not only enhance vehicle efficiency but also reduce energy consumption—helping you lower operational costs while boosting overall performance and reliability.



High Cycle Life



IP67



Fireproof



Smart Battery



Fast Charging

05

Aviation Batteries

At Bharatcell, we're redefining aviation energy solutions with our advanced Helicopter Cracking Batteries, engineered for modern rotary-wing aircraft. Designed to withstand extreme conditions and demanding flight operations, our batteries deliver exceptional power, reliability, and long-term performance. Bharatcell offers solutions across multiple helicopter categories, reflecting our commitment to powering a broader spectrum of aviation needs, ensuring enhanced safety, performance, and operational efficiency.



WHERE RELIABILITY TAKES FLIGHT.

Features



2000-2800 Cycles



IP67



Fireproof



Smart BMS



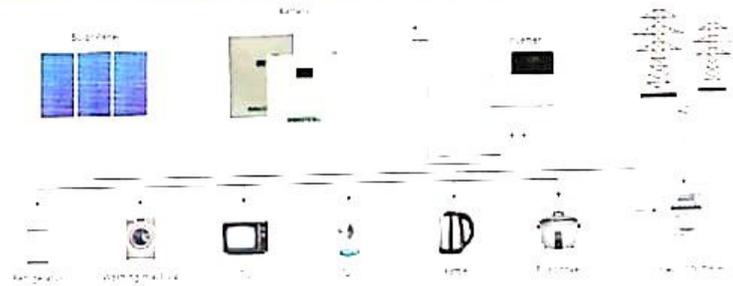
Fast Charging

06

Home ESS (Energy Storage System)

- Smarter, cleaner, and reliable home energy solutions.
- Uninterrupted power with advanced lithium-ion ESS.
- Safe, efficient, and sustainable with intelligent BMS.
- Driving India's energy independence under Atmanirbhar Bharat.
- Innovation, durability, and eco-friendliness in every product.
- Your trusted power partner for modern homes.

Product Application



Rated Voltage and Ampere-Hour Capacity

⚡ 12.8V 100AH

⚡ 25.6V 100AH

⚡ 48V 100AH

⚡ 51.2V 100AH Cable/Wall mounted



6000
Cycles



1C
Discharge Rate



10-12
Years Life



High
Performance



Zero
Emission



Low
Maintenance



Versatile
Utility



High Energy
Density



Smart
BMS

07

Commercial & Industries

- Advanced lithium-ion energy storage solutions for commercial & industrial applications.
- Voltage range from 96V - 100Ah to 576V - 100Ah for diverse power needs.
- Built with intelligent BMS for safety, efficiency, and reliability.
- Ensures long cycle life, fast charging, and consistent backup power.
- Ideal for factories, data centers, solar plants, and telecom infrastructure.
- Durable, eco-friendly, and performance-driven for modern industries.
- Tailored Customization – Batteries can be customized to meet specific requirements of the client.



Rated Voltage and Ampere-Hour Capacity

⚡ 96V 100AH

⚡ 360V 100AH

⚡ 120V 100AH

⚡ 384V 100AH

⚡ 180V 100AH

⚡ 576V 100AH

⚡ 240V 100AH



Better Temperature Control

The liquid cooling scheme keeps cell temperature difference less than 3°C



Higher Protection

The product utilizes the Ip55 IPACK if 6S high protection level



Lower Local Power Consumption

Variable-frequency compressor reduces the equipment's power consumption



Higher Energy Density

Liquid-cooled energy storage container provides high energy density, and saving costs

08

Battery Energy Storage System

Generators · Grid · Industrial Parks · Buildings · Charging Stations · Data Centers



Integrated BMS & EMS Control

Enhanced discharge capacity through intelligent and flexible control through BMS and EMS coordination



Cost Efficiency and Performance Enhancement

High integration leading to a 30% boost in energy density and a 20% decrease in system losses.



Lifecycle Management

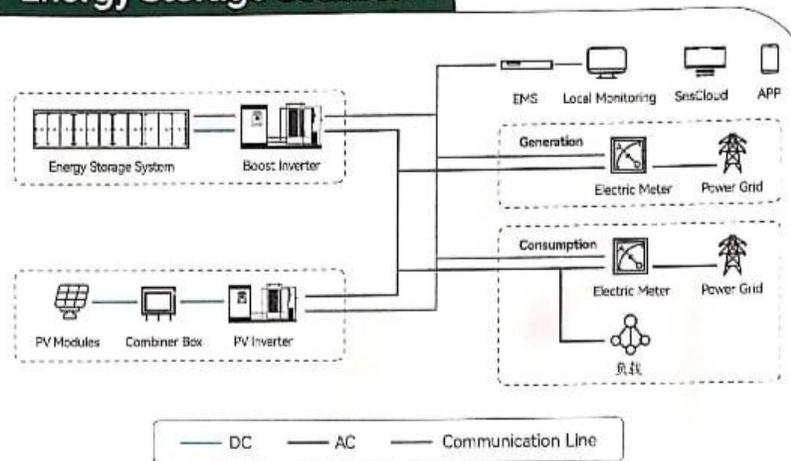
Comprehensive lifecycle management incorporating liquid cooling technology, intelligent battery health management, and more.



Effective Thermal Management

System temperature maintained below 35°C, inter-cluster temperature difference kept within 3°C, and system-level temperature difference

Energy Storage Solution

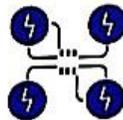


Product Features



95% Usable Power

5% reserve capacity for better life



4X Energy Density

Compared to a traditional battery



Theft Proof & Navigation

IOT/GPS helps you to trace the location



Bluetooth

Bluetooth Compatibility



Eliminate Fuel

Eliminate the use of petrol & diesel



Fast Charging

Compared to a traditional battery