

PANTHERA

ELECTRIC MOBILITY PVT LTD

OFFICIAL EV POWER BATTERY CATALOGUE

Advanced structural energy systems utilizing premium cell line architectures engineered systematically for Electric Scooters, commercial EV Rickshaws, and smart urban transport drivetrains.

NMC CELL PLATFORMS

LFP FRESH LOT CHEMISTRY

CORPORATE ENTITY

Panthera Electric Mobility Pvt Ltd

CELL LINE INTEGRATIONS

High Density NMC & Prismatic LFP

APPLICATION CLASS

2-Wheeler & 3-Wheeler Powertrains

NMC LITHIUM-ION CHEMISTRY

Panthera Lithium Nickel Manganese Cobalt (NMC) battery packs are meticulously designed for elite volumetric energy concentration. These cells enable maximized spatial range parameters, drop-in sizing capability, and stable high-current acceleration cycles.

PANTHERA NMC STRUCTURAL COMPOSITION

- Nickel Core Formulation (High Volume Capacity)
- Manganese Grid Stabilization (Thermal Runaway)
- Cobalt Matrix Enhancement (High Life-Cycle An)
- Heavy-Duty Shock-Absorbent Enclosure

NMC STRUCTURAL INDICES

- High Volumetric Packaging:** Provides dense range storage profiles within under-seat or floorboard battery bays.
- Linear Acceleration Support:** Supplies high discharge rates matching sudden torque demands under load.
- Integrated Thermal Balancing:** Maintains homogeneous cell temperatures under high-rate fast-charging cycles.

LFP LITHIUM IRON PHOSPHATE CHEMISTRY

Assembled comprehensively using a 100% fresh lot of premium structural Lithium Iron Phosphate (LiFePO4) prismatic matrices. Panthera LFP battery packs prioritize maximum thermal resilience, chemical safety, and rugged mechanical lifecycle durability.

PANTHERA LFP FRESH LOT SOLID MATRIX



LiFePO4 LiFePO4 LiFePO4

Fresh Batch Mechanical Cell Grading

LFP STRUCTURAL INDICES

- Ultra-Extended Operating Cycles:** Highly robust crystalline bonds ensure thousands of charge-discharge successions.
- Inherent Safety Thresholds:** High thermal runaway tolerance, preventing risks of ignition from punctures or internal stress.
- Minimal Voltage Drop:** Provides flat discharge curve stability, maintaining power throughput until near-empty.

PREMIUM NMC SERIES (ELITE 3-YEAR GUARANTEE FRAMEWORK)

Engineered exclusively for heavy urban route operations, delivery networks, and consumer EV segments requiring long range envelopes. All premium packs come with our robust protection infrastructure pre-configured. Price structures are displayed as absolute totals.

SYSTEM VOLTAGE	CAPACITY RATING (AH)	TOTAL ENERGY DENSITY (KWH)	BASE VALUE	FINAL VALUE (INC. 18% GST)
48V Line	32 Ah	1.536 kWh	₹17,664.00	₹20,843.52
48V Line	36 Ah	1.728 kWh	₹19,872.00	₹23,448.96
48V Line	38 Ah	1.824 kWh	₹20,976.00	₹24,751.68
48V Line	42 Ah	2.016 kWh	₹23,184.00	₹27,357.12
48V Line	52 Ah	2.496 kWh	₹28,704.00	₹33,870.72
48V Line	90 Ah	4.320 kWh	₹49,680.00	₹58,622.40
48V Line	100 Ah	4.800 kWh	₹55,200.00	₹65,136.00
48V Line	150 Ah	7.200 kWh	₹82,800.00	₹97,704.00
60V Line	32 Ah	1.920 kWh	₹22,080.00	₹26,054.40
60V Line	36 Ah	2.160 kWh	₹24,840.00	₹29,311.20
60V Line	38 Ah	2.280 kWh	₹26,220.00	₹30,939.60
60V Line	42 Ah	2.520 kWh	₹28,980.00	₹34,196.40
60V Line	52 Ah	3.120 kWh	₹35,880.00	₹42,338.40
60V Line	100 Ah	6.000 kWh	₹69,000.00	₹81,420.00
72V Line	32 Ah	2.304 kWh	₹26,496.00	₹31,265.28
72V Line	52 Ah	3.744 kWh	₹43,056.00	₹50,806.08
72V Line	100 Ah	7.200 kWh	₹82,800.00	₹97,704.00
72V Line	250 Ah	18.000 kWh	₹207,000.00	₹244,260.00

FRESH LOT LFP SERIES (LITHIUM IRON PHOSPHATE LINE)

Custom engineered heavy-duty configurations optimized systematically for severe load applications, commercial multi-passenger EV Rickshaws, and rugged urban scooter platforms requiring robust longevity.

HARDWARE MANAGEMENT INTEGRATION & STOCK BULLETIN: All listed LFP battery packs come configured with standard **Non-Smart BMS** hardware processing. Smart BMS system integration carries an optional surcharge upgrade of **₹1,300 per pack**. Please be advised that Smart BMS hardware components are **currently out of stock**.

LFP PACK PRODUCTION CONFIGURATION PRICING

PACK SYSTEM SPECIFICATION	WARRANTY SCOPE	BMS CONFIGURATION	BASE PRICE	STATUTORY GST RATING	FINAL PRICE (INC. TAX)
60V 30Ah Model	2+1 Years Warranty	Non-Smart BMS Standard	₹19,400.00	18% GST	₹22,892.00
60V 30Ah Model	2+1 Years Warranty	Non-Smart BMS Standard	₹20,700.00	5% GST	₹21,735.00
60V 30Ah Model	1 Year Warranty	Non-Smart BMS Standard	₹11,900.00	18% GST	₹14,042.00
60V 30Ah Model	1 Year Warranty	Non-Smart BMS Standard	₹12,600.00	5% GST	₹13,230.00
60V 45Ah Model	2+1 Years Warranty	Non-Smart BMS Standard	₹28,500.00	18% GST	₹33,630.00
60V 45Ah Model	2+1 Years Warranty	Non-Smart BMS Standard	₹29,800.00	5% GST	₹31,290.00

TARGET DRIVETRAIN INTEGRATION RULES

Electric Scooters (2W Urban): Optimized primarily for the 60V 30Ah configurations. These profiles strike an ideal packaging volume, offering adequate range storage without overloading light weight passenger scooter suspension frames.

EV Passenger Rickshaws (3W Commercial): Designed specifically to leverage the 60V 45Ah platform, delivering high operational ampacity reserves and mechanical duty cycles required for heavy passenger payloads.