



**MICRONIX**  
**Lithium Battery**  
Smart Energy Storage

## ABOUT MICRONIX

MICRONIX is one of the leading manufacturer of Lithium Battery Pack in India, headquartered at Peenya Industrial Area, Bengaluru. MICRONIX has been a symbol of trust and quality since 2015 making it a pioneer in the Lithium Battery industry. MICRONIX Batteries suitable for all kinds of application, with a very diverse product category.

MICRONIX has thousand plus OEM customer base and hundred plus Dealership network in entire part of India, also started approaching overseas customers. MICRONIX is a registered vendor of Govt. organization such as BEL, ITI, DRDO, NELCO etc and several research institutes like IITs, CEERI, IISc etc. MICRONIX empowered with highly skilled manpower and state of art manufacturing facility.

## MICRONIX Strength and Capacity



## Why LITHIUM ?

Compact	Light Weight	High Life Cycle
Quick Charging	High Discharge Rate	Low Self Discharge
Non Toxic	Maintenance Free	High Efficiency
High Depth of Discharge	No Memory Effect	Customizable Dimension

## MICRONIX Range of offerings

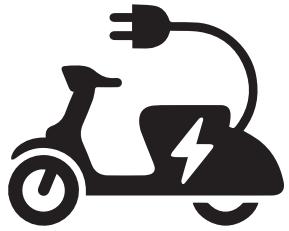
- Lithium Ion Battery
- LiFePO4 Battery
- LiPO Battery
- LTO Battery
- Lithium Cells
- Lithium Battery Chargers



## Built in Protections Available

- 1) Over Charge Protection
- 2) Deep Discharge Protection
- 3) Cell Balancing
- 4) Short Circuit Protection
- 5) Over current protection
- 6) Reverse polarity protection
- 7) Over Temperature protection

# MICRONIX Lithium Battery For Wide Range Of Application



Electric Two Wheeler



Electric Auto



Electric Car



Solar Lighting



Electric Skateboard,  
Wheelchair



Electric Agricultural  
Equipments



Energy Storage  
Systems(ESS)



Point Of Sales  
Products



Emergency Lights



Medical Devices



Defence Products



Telecom

# ELECTRIC VEHICLE(EV) BATTERIES

MICRONIX manufacture widest range of LITHIUM BATTERIES to serve nations widest market of Electric Vehicle. MICRONIX Lithium batteries extensively used in – E-Cycles, E – Scooters, E-Bikes, E Autos, Golf carts, Fork Lifts, Skateboards, Hover board, Electric wheelchairs etc. MICRONIX caters widest EV Manufacturers, EV Dealers, EV Showrooms and EV Solution Providers in entire part of India.

## Advantages :

- Long life: 3 to 6 years
- Quick charging: 2 to 3 hrs
- Good mileage
- Customizable dimensions and features
- Light weight and compact
- Highly efficient
- Easy replacement
- No maintenance

**Available Chemistries:** Lithium Ion, LiFePo4

## Available Voltage Ranges:

Lithium Ion : 25.9V, 36V, 48V, 51.8V, 59.2V, 62.9V, 72V

LifePO4 : 25.6V, 35.2V, 38.4V, 48V, 51.2V, 60.8V, 64V, 73.6V, 76.8V

## Available AH Ranges :

Lithium Ion : All AH Multiple of 2.5AH, 2.55AH, 2.6AH, 2.9AH, 3AH; From 5AH to 200AH

LiFEPO4 : All Multiple of 6AH, 10AH; From 6AH to 200AH

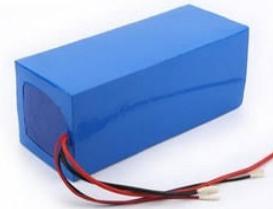


## SOLAR LITHIUM BATTERIES

MICRONIX Lithium Batteries are extensively used in various Solar lighting application such as – Solar Street Light system, High Mast Lights, Emergency Lights, Garden Lights, All In one Lights, Outdoor Lights, Insect killer Lights etc

### Advantages:

- Life upto 10 years
- Warranty upto 5 years
- Size can be customized to fit inside solar panel or inside fixture
- Install and forget, no maintenance
- Theft Free
- Light Weight
- Built In Protection
- High efficiency
- Quick Charging



Chemistry	: Lithium Ion, LiFePo4
Voltage Ranges	: 11.1V, 12.8V, 14.8V, 25.9V, 25.6V
AH Ranges	: Lithium Ion all AH multiple of 2Ah, 2.2Ah, 2.6Ah; From 2Ah to 200Ah LiFePo4 all Ah multiple of 6Ah and multiple of 10Ah; From 6Ah to 200Ah
Packing Type	: Soft pack or with IP65 enclosure



## POWERBACKUP-ESS (Energy Storage Systems)

MICRONIX ESS Lithium Batteries used in storage for both renewable and conventional source of energy. Major applications include – Solar Power plant, Normal and Solar Inverter, UPS, Solar Power packs etc.

### Advantages:

- Battery can be fitted inside inverter
- Life upto 10 years
- Warranty upto 5 years
- Compact and Light weight
- High efficiency
- Higher number of cycles
- Quick Charging



## Medical Equipment Lithium Batteries

Lithium Batteries has been boon for medical device manufacturers due to its reduced size and weight, reduced power consumption, long reliability to create more portable and convenient products. Medical equipment such as Surgical Instruments, Patient Monitoring Device, ECG, EEG etc.

Post COVID19 pandemic MICRONIX started supplying Lithium batteries for Ventilators, Portable disinfection equipments, Portable sanitization equipments etc



## Drones Lithium Battery

MICRONIX manufacture customized high discharge battery for drone application. This battery pack is made up of best quality high discharge cells and BMS circuit. It is small in size and weight compared to Ni-Cd, Ni-MH, and Lead Acid Batteries. With the inbuilt Charge protection circuit, the battery pack can be directly charged without worrying about overcharging. Since battery is compact and high energy density drones give best performance compared to other batteries.



## Robotics

MICRONIX Lithium batteries are used in many robotic application such as, Industrial robots, Restaurant Serving Robots, Solar panel clearing robots, Educational Robots, Automation Robots, Underwater Robots, Surveillance Robots etc. Long back up time, customized dimension, light weight and customization scope are key advantages of MICRONIX batteries in these applications.



## Defence, Telecom and Railways

MICRONIX customized batteries are proven in high end application such as Defense, Telecom Products, Telecom Towers, Railway systems etc. These batteries are of high quality and customized. Bharath Electronics (BEL), NECLO, ACCORD etc are our key customers in these application.



## Portable Devices

MICRONIX Lithium Battery widely used in portable devices such as Hand Held Terminal(HHT)s, Ticketing Systems, Thermal Printers, Portable electronic gadgets, GPS devices, Kiosk, Mobile power bank, alcohol detection device for police, PDS devices etc. 7.4V Batteries and 3.7V batteries majorly used for these application.



## Lithium Battery Chargers

MICRONIX manufacture complete range of chargers for Lithium Battery. Available models are 24V 3Amps, 24V 5Amps, 24V 10Amps, 36v 3Amps, 36V 5Amps, 36V 10Amps, 48V 6Amps, 48V 10Amps, 48V 20Amps, 60V 6Amps, 60V 10Amps, 60V 20Amps, 72V 6Amps, 72V 10Amps, 72V 20Amps etc. These chargers are designed for Lithium chemistry with CCCV Charging function and 0v charging function.





## CONTACT US

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