



Triovolt Energy LLP

Lithium-ion & LiFePO₄ Battery Pack Manufacturers

BATTERY PACK PRODUCT CATALOGUE

Lithium-ion | LiFePO₄ | Customized Battery Solutions

Industrial

Domestic

Medical

Drone

Agriculture

Mobility



Solar



Medical



Drone



Agri Pump



Wheelchair



Street Light

Contact

Phone: +91 9403512767

Email: infotriovoltenergy@gmail.com

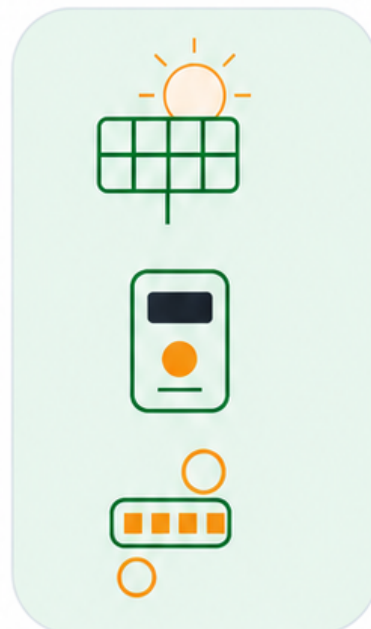
Website: www.triovoltenergy.com

Address: Godown No.1, Jalaram Warehouse, Plot Number 158,
AT Post Jaulke, Tal-Dindori, Dist-Nashik - 422207

About Triovolt Energy LLP

Powering practical energy needs with smart battery packs

Triovolt Energy LLP designs and manufactures lithium-ion and LiFePO4 battery packs for solar, medical, drone, agriculture, mobility, UPS/inverter and street light applications. Our focus is to provide dependable battery pack solutions with the required voltage, capacity, BMS protection, enclosure, connector and charging compatibility for each customer's application.



Custom Pack Design

Voltage, capacity, BMS, enclosure, connector and cable configuration as per load requirement.



Application Focused

Battery packs for industrial, domestic, medical, drone, agriculture, mobility and solar lighting.



Li-ion & LiFePO4

NMC battery packs for compact systems and LiFePO4 packs for long-life 12.8 V applications.



Support & Supply

Assistance for product selection, sample development and bulk manufacturing requirements.

Catalogue note

All specifications shown are standard catalogue offerings. Dimensions, connector type, cable length, enclosure and BMS protections can be customized as per order.

Battery Packs - Solar & Medical

SOLAR INDUSTRIAL & DOMESTIC

Compact battery packs for solar lighting, small backup systems and domestic/industrial solar equipment.



Model Code	Nominal Voltage	Capacity	Chemistry	Warranty
TVE-SOL-11P1V-5AH	11.1 V	5 Ah	Li-ion NMC	1 Year
TVE-SOL-11P1V-5P5AH	11.1 V	5.5 Ah	Li-ion NMC	1 Year

MEDICAL EQUIPMENT

Reliable battery packs for portable medical devices and equipment requiring stable DC power.



Model Code	Nominal Voltage	Capacity	Chemistry	Warranty
TVE-MED-11P1V-6P6AH	11.1 V	6.6 Ah	Li-ion NMC	As per quotation
TVE-MED-11P1V-10AH	11.1 V	10 Ah	Li-ion NMC	As per quotation
TVE-MED-11P1V-13AH	11.1 V	13 Ah	Li-ion NMC	As per quotation

Battery Packs - Drone & Agriculture

DRONE

High energy density packs for drone platforms and related mobility applications.



Model Code	Nominal Voltage	Capacity	Chemistry	Warranty
TVE-DRN-11P1V-5P2AH	11.1 V	5.2 Ah	Li-ion NMC	As per quotation
TVE-DRN-11P1V-5P8AH	11.1 V	5.8 Ah	Li-ion NMC	As per quotation
TVE-DRN-11P1V-10P4AH	11.1 V	10.4 Ah	Li-ion NMC	As per quotation

AGRICULTURE SPRAY PUMP

Battery packs designed for agricultural spray pumps and field-use equipment.



Model Code	Nominal Voltage	Capacity	Chemistry	Warranty
TVE-AGP-11P1V-7AH	11.1 V	7 Ah	Li-ion NMC	As per quotation
TVE-AGP-11P1V-10AH	11.1 V	10 Ah	Li-ion NMC	As per quotation
TVE-AGP-11P1V-12AH	11.1 V	12 Ah	Li-ion NMC	As per quotation
TVE-AGP-11P1V-14AH	11.1 V	14 Ah	Li-ion NMC	As per quotation

Battery Packs - Mobility & Backup

WHEELCHAIRS

Long-life LiFePO4 packs for electric wheelchairs and mobility support equipment.



Model Code	Nominal Voltage	Capacity	Chemistry	Warranty
TVE-WCH-12P8V-30AH	12.8 V	30 Ah	LiFePO4	As per quotation
TVE-WCH-12P8V-60AH	12.8 V	60 Ah	LiFePO4	As per quotation
TVE-WCH-12P8V-100AH	12.8 V	100 Ah	LiFePO4	As per quotation

UPS INVERTER

Backup power battery packs for UPS, inverter and emergency power applications.



Model Code	Nominal Voltage	Capacity	Chemistry	Warranty
TVE-UPS-12P8V-6AH	12.8 V	6 Ah	LiFePO4	As per quotation
TVE-UPS-12P8V-78AH	12.8 V	78 Ah	LiFePO4	As per quotation

Solar Street Light Battery Packs

12.8 V LiFePO4 solutions

Battery packs for solar street lights and outdoor lighting systems. Options are available for compact, mid-range and higher backup requirements, with custom enclosure, connector, cable length and BMS configuration.

6 Ah

12 Ah

18 Ah

24 Ah

30 Ah



Model Code	Nominal Voltage	Capacity	Chemistry	Warranty
TVE-SSL-12P8V-6AH	12.8 V	6 Ah	LiFePO4	As per quotation
TVE-SSL-12P8V-12AH	12.8 V	12 Ah	LiFePO4	As per quotation
TVE-SSL-12P8V-18AH	12.8 V	18 Ah	LiFePO4	As per quotation
TVE-SSL-12P8V-24AH	12.8 V	24 Ah	LiFePO4	As per quotation
TVE-SSL-12P8V-30AH	12.8 V	30 Ah	LiFePO4	As per quotation

Suggested customization options

- Outdoor enclosure with required mounting style
- Charging and load connector selection
- Cable length, fuse and protection level as per system design
- BMS protections for over-charge, over-discharge, short-circuit and over-current
- Capacity selection based on luminaire wattage and backup hours

Customized Battery Solutions

We also provide customized battery packs

Triovolt Energy LLP can develop custom battery pack configurations based on the electrical, mechanical and safety requirements of your product.

1

Requirement Study

Voltage, capacity, discharge current, peak load, backup time and charging method.

2

Cell & Chemistry Selection

Li-ion NMC or LiFePO4 selection based on energy density, cycle life and application.

3

BMS & Protection

Protection, balancing, temperature sensing and communication options as required.

4

Pack Integration

Enclosure, wiring harness, connectors, mounting, labels and final testing.

Common customization parameters

- Voltage and capacity
- Continuous and peak current
- BMS rating and protections
- Cell holder / welding design
- Connector and cable length
- Plastic, metal or shrink pack enclosure
- Thermal management and insulation
- Charger compatibility
- Labels, branding and packing
- Prototype and bulk manufacturing support

BMS & Safety Features

Designed around protection and reliability

Battery pack configuration can include protection circuits and application-specific safeguards. Final features depend on product voltage, current, chemistry, enclosure and operating environment.



Over-charge protection

Helps protect cells during charging.



Over-discharge protection

Helps prevent deep discharge damage.



Short-circuit protection

Supports safer operation during faults.



Over-current protection

Controls excessive load current.



Cell balancing

Supports uniform cell performance in series packs.



Temperature sensing

Can be added as per pack requirement.



Custom wiring harness

Connector, cable length and fuse options.



Pack testing

Voltage, capacity and functional inspection.

Important

Actual performance, backup time, dimensions, weight, charging method and warranty depend on final pack design, cell selection, application load and operating conditions. Please confirm technical specifications before placing an order.



Triovolt Energy LLP

Lithium-ion & LiFePO4 Battery Pack Manufacturers

For standard and customized battery packs

Connect with us for product selection, samples and bulk requirements.

Phone

+91 9403512767

Email

infotriovoltenergy@gmail.com

Address

Godown No.1, Jalaram Warehouse, Plot Number 158, AT Post Jaulke,
Tal-Dindori, Dist-Nashik - 422207



Scan for website