

Safety Data Sheet (SDS) - Truth Power Batteries

Product: Lithium Iron Phosphate (LiFePO4) Batteries

SDS Code/Version: TPLFP-SDS-2025-Rev01	Issue Date: December 22, 2025
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1. Identification

Information	Details
Product Name	Truth Power Lithium Iron Phosphate (LiFePO4) Batteries
Recommended Use	Power storage for E-Bikes, E-Rickshaws, Solar, and Home-UPS applications.
Restrictions on Use	Do not open, crush, or expose to temperatures above 60°C.
Manufacturer	Truth Power Batteries
Address	UPSDIC Exten-1, Kosi Kalan, Mathura, 281403, Uttar Pradesh, India
Website	www.truthpowerbatteries.com

2. Hazard(s) Identification

GHS/UN Classification

- UN Number: UN3480
- Proper Shipping Name: Lithium ion batteries
- Hazard Class: 9 (Miscellaneous Dangerous Goods)
- Signal Word: WARNING

Component Hazard	Hazard Class	Hazard Statement
Electrolyte	Skin/Eye Irritant	H315 - Causes skin irritation.
Cell Integrity	Physical Hazard	H373 - May cause damage to organs if leaked.
Thermal Event	Flammable	H226 - Flammable liquid and vapor (if cell is ruptured).

3. Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration (Approx.)
Lithium Iron Phosphate	15365-14-7	25–40%
Graphite (Carbon)	7782-42-5	10–20%
Organic Electrolyte	Proprietary	10–20%
Aluminum	7429-90-5	5–10%
Copper	7440-50-8	5–10%

4. First-Aid Measures

Exposure Route	Action
Inhalation	Move to fresh air. If smoke from fire is inhaled, seek medical attention.
Skin Contact	Wash skin with soap and water for 15 minutes. Seek medical help if irritation persists.
Eye Contact	Flush eyes with water for at least 15 minutes. Seek medical attention immediately.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Seek medical help.

5. Fire-Fighting Measures

- **Extinguishing Media:** Use Class D extinguishers for lithium fires. CO₂ or dry chemical for surrounding fire.
- **Specific Hazards:** Cells may rupture and release flammable gases (Hydrogen) or toxic fumes if heated.
- **Protection:** Wear Self-Contained Breathing Apparatus (SCBA) and full protective gear.

6. Accidental Release Measures

- **Cleanup:** If electrolyte leaks, use inert absorbent (sand). Place in a chemical waste container.
- **Personal Precautions:** Wear nitrile gloves and safety glasses.

7. Handling and Storage

- **Handling:** Avoid mechanical damage. Do not disassemble. Use only approved Truth Power chargers.
- **Storage:** Store in a cool (10°C–35°C), dry, well-ventilated area away from high heat or moisture.

8. Stability and Reactivity

- **Stability:** Stable under recommended conditions.
- **Conditions to Avoid:** Mechanical impact (crushing), overcharging, and temperatures above 60°C.
- **Hazardous Decomposition:** May release Hydrogen gas or organic vapors if damaged.

9. Disposal Considerations

- **Recycling:** NEVER dispose of lithium batteries in regular trash. They must be recycled through authorized lithium-ion battery recyclers.

10. Transport Information

UN Number	UN3480
Proper Shipping Name	Lithium ion batteries
Hazard Class	9 (Miscellaneous)