ROYPOW

Explosion-Proof
LiFePO4 Batteries for Forklifts

Safety Without Compromise
in Explosive Environments

Internal Explosion-Proof Safety
The rugged, sealed design of the battery and electrical compartments ensures reliable protection against internal fire or explosion.

Reinforced External Protection
Explosion-proof cover and casing feature high strength to effectively prevent strong impact, providing extra protection.

Long Lifespan
Lasts long with 10 years of design life and over 3,500 times of cycle life.

Intelligent BMS
Designed for peak efficiency, intelligent battery status management, and safe operations.

Fast Charging
Can be charged fully within 1 to 2 hours, enhancing material handling operation efficiency and productivity.

Zero Maintenance
No watering, frequent maintenance, or swapping. Save maintenance costs.

IEC 60079 IEC 80079
ATEX 2014-34 EU EN IEC 60079 EN 80079

Li-ion

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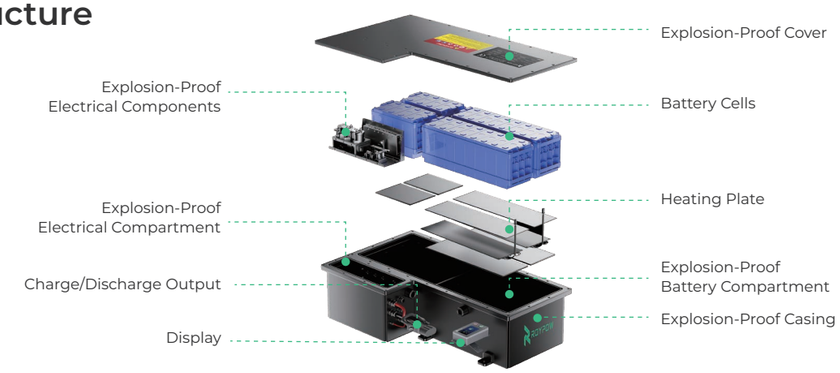
Structure



Applications

Highly hazardous explosive gases, vapors, and dust often form during the production, storage, and transport of flammable substances across industries such as chemicals, pharmaceuticals, paper, food, and logistics. To maximize safety and minimize accident risks in hazardous zones during material handling,

ROYPOW offers batteries engineered to high safety and performance standards, guaranteeing comprehensive explosion protection.

Explosion-Proof Battery Specifications:

Rated Voltages:
25.6V, 38.4V, 51.2V, 76.8V, 80V, 96V, Max. 800V

Discharging Temperature Range:
-20℃ to +40℃ / -4℉ to 104℉

Available Battery System Capacity:
105Ah, 210Ah, 280Ah, 315Ah, 420Ah, 560Ah, 840Ah

Charger Specification:

Rated Voltages:
25.6V, 38.4V, 51.2V, 76.8V, 80V, 96V, Max. 800V

Available Charging Current:
50A to 400A

Input:
220V AC Single Phase or 400V AC Three Phase

Working Temperature Range:
-20℃ to +50℃ / -4℉ to 122℉

Working Humidity:
0% ~ 95%RH

NOTE: Charger need to be placed outside storage warehouse.
All data are based on ROYPOW standard test procedures. Actual performance may vary according to local conditions