

**EP ENERGY**

## EP RA24410 Lithium Battery

- Fits in electric low level order pickers for heavy-duty applications
- Productivity boost with opportunity charging
- BMS system to maximize the battery lifetime

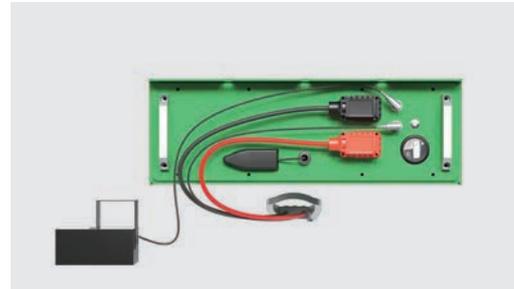
**L-I-ON**



# FEATURE

## ■ Fits in electric low level order pickers for heavy-duty applications

EP RA24410 Lithium Battery is designed for electric low level order pickers in heavy-duty applications. It can be adapted to most brands after adding the customized tray.



## ■ Productivity boost with opportunity charging

EP RA24410 Lithium Battery is equipped with an external charger as standard and it can be charged up to 7% in 10 minutes. Operators can take the opportunity of charging during shift breaks. This maximizes uptime. Trucks are always available when needed.



## ■ Long battery life with less maintenance costs

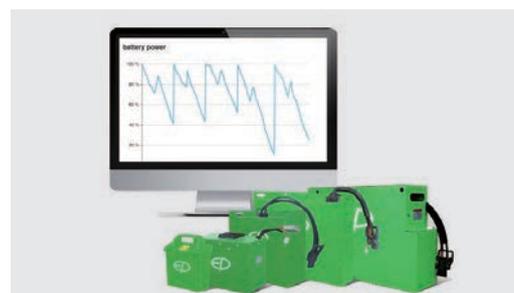
EP RA24410 Lithium Battery comes with a naturally long life cycle thanks to Li-ion technology. It is maintenance-free and assures workplace safety with no water filling, air ventilation, and acid spills required.

Battery life span (complete charge and discharge cycles)

Li-ion Battery	Lead-acid Battery
>2000 times	1000 times

## ■ BMS system to maximize the battery life time

EP's BMS system constantly monitors the status of the battery such as the temperature of the battery cells and it calculates the batteries' state of charge. It keeps the battery in a safe and stable condition.



## ■ Real-time battery monitoring display and power switch

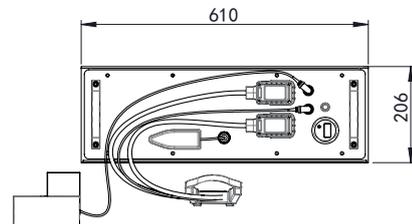
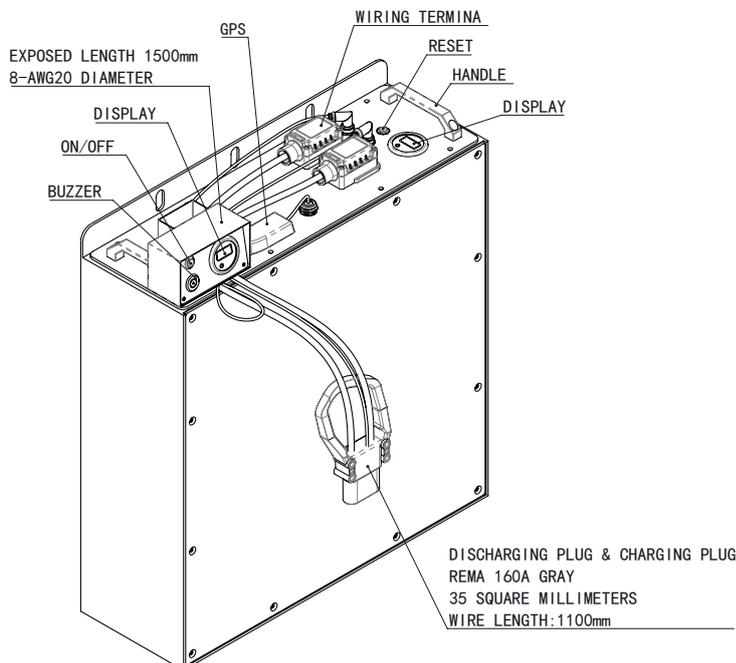
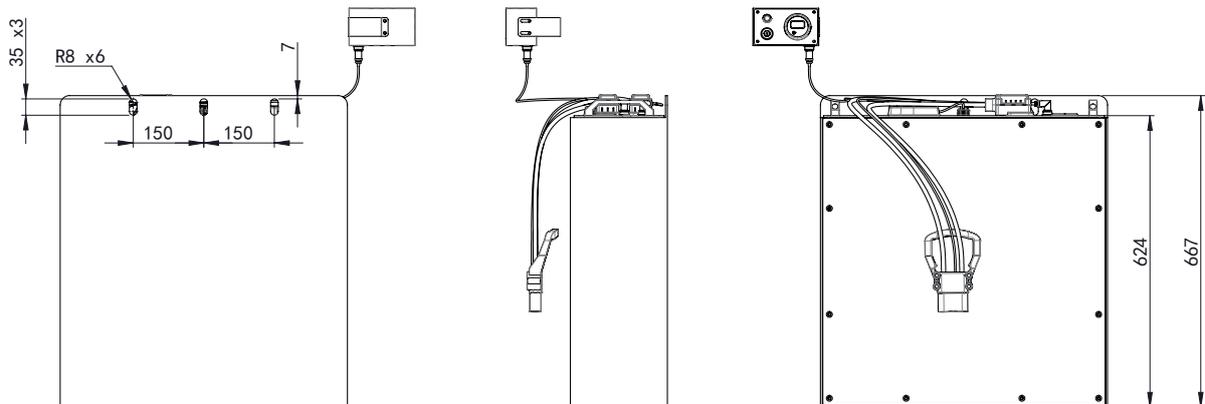
EP RA24410 Lithium Battery offers a battery indicator which can be equipped in the cabin. Operators can monitor the battery condition in real time and control power supply during an operation.



# PARAMETERS

PARAMETER	RA24410
Battery Color	Green
Nominal Capacity (Ah)	410
Nominal Voltage (V)	24
Standard Charge Current(A)	100
Protection Class	IP54
Battery Weight(kg)	128
Box Dimensions(mm)	610*206*667
Operating Temperature-Discharge(℃)	-20℃-55℃
Operating Temperature-Charge(℃)	0℃-40℃
Charger	24V/100 External (Standard)

## ▣ DIMENSIONS



### NOTES:

1. WEIGHT: 128 ± 2.5%Kg
2. FINISH: GREEN POWDER COAT
3. SPECIFICATIONS: 24V410Ah (CE)

# WARRANTY

Save your maintenance effort with EP's superior warranty. Your money will be well spent. For batteries with capacity > 250AH: EP Energy provides 60 months or 10,000 hours, whichever comes first, for the battery cell and 24 months for parts.

## FAQS »

### ■ What is the life expectancy of the battery?

Generally, the Lithium-ion batteries can live as long as the truck. EP warrants that the Li-ion battery technology will provide you with 2,000 complete charge and discharge cycles and still ensure over 80% of usable capacity. Replacement with Li-ion is not necessary anymore.

### ■ What happens if we keep charging the batteries? Does it affect battery life?

EP Li-ion battery comes with battery management systems (BMS). When the battery is fully charged, it will automatically power off. This will not affect the lifetime of Li-ion battery. The battery prefers quick charges. So, charging during break times is the new normal way of working with batteries.

### ■ How do Li-ion batteries perform in environment of extreme temperatures?

The batteries can run in relatively extreme temperatures, from minus 20 degrees to up to 55 degrees. The more comfortable the battery feels, the longer its lifetime.

### ■ Does it affect truck performance when exchanging Lead-acid to Li-ion battery?

No, a truck performance should not be affected by energy supply. EP RA24410 Lithium Battery is designed for electric low level order pickers in heavy-duty applications. It can be adapted to most brands after adding the customized tray. There is no change of conditions on driving performance after the installation.

### ■ What is BMS system and how does it work?

The BMS plays a crucial role to protect the battery against over and under voltage and over and under temperature. The BMS also balances the cells. This system secures the battery longevity and improves battery performance. Also charging is optimized and charging and discharging cycles are stored in its memory. The data can be read on the display, PC or online with the optional Telematics system.



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