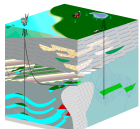


# Lithium Ion battery

## KMS-410 Lithium Ion battery



## KMS Technologies

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## KMS-410 (12V, 30Ah)



*KMS-410 Lithium Ion Battery in transportation case, inside view and battery cable*

The KMS-410 Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery is the ultimate in weight versus power technology. This is a replacement for most lead-acid battery, and will require no change to your existing system. LiFePO<sub>4</sub> contains no poisonous lead, no acid, and does not create gasses during charge, as traditional Lead-Acid batteries do. Compared to lead-acid, Lithium Iron Phosphate batteries are also extremely light, have much lower self-discharge, do not sulfate, and are more environmentally friendly.

## Product features

- Ultra light, 20% weight of lead-acid batteries (on average)
- Twice to four times the service life of lead-acid batteries
- Replacement for your OEM battery
- Fast recharge rate
- No explosive gasses during charge, no lead, no acid
- Environmentally friendly
- Expected number of charge cycles over 2,000
- Self-discharge rate only 2% per month
- Expect 8-10 years of battery life that will reduce your operating cost by half compared to lead acid

## Product specifications

<b>Model No.:</b>	<i>KMS-410</i>
<b>Voltage:</b>	<i>12V</i>
<b>Capacity:</b>	<i>30Ah, 384Wh</i>
<b>Chemistry:</b>	<i>LiFePO</i>
<b>Weight:</b>	<i>8.6LB</i>
<b>Dimensions:</b>	<i>7.5"(L)x5"(W)x7"(H) (With carry case:9.5"(L)x7"(W)x8.5"(H))</i>
<b>Life Cycles:</b>	<i>2,000 @ 80% DOD</i>
<b>BMS:</b>	<i>YES(Internal)</i>
<b>MAX Charge Voltage</b>	<i>14.6V</i>
<b>Discharge Cut-off Voltage:</b>	<i>10.5V</i>
<b>Max Charge Current:</b>	<i>20A</i>
<b>Max Discharge Current:</b>	<i>30A</i>
<b>Operating Temperature:</b>	<i>-22F to +140 F</i>
<b>Cycle Life:</b>	<i>&gt;3,000 Cycles (About 10 years)</i>
<b>Usable Capacity:</b>	<i>99%</i>
<b>Self-discharge Rate/Month:</b>	<i>1-3%</i>
<b>Safety Performance:</b>	<i>Safe</i>
<b>Impact on the Environment:</b>	<i>Pollution-free</i>