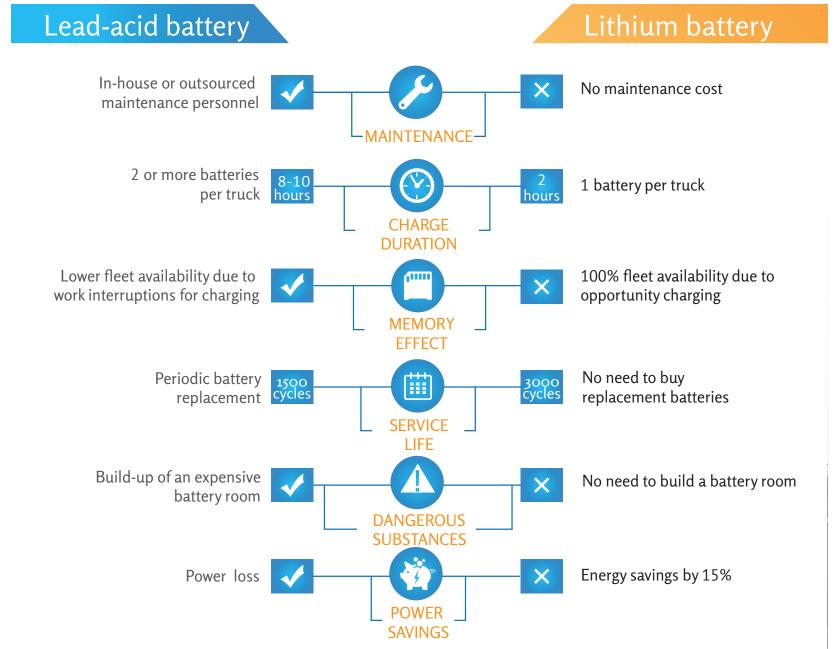






ADVANTAGES



INTRODUCTION OF LITHIUM BATTERIES REDUCES TOTAL COST OF OWNERSHIP (TCO) IN HALF

FOR A FLEET OF 30 LIFT TRUCKS, THE TOTAL SAVINGS ARE \$430 000 OVER 4 YEARS COMPARED TO LEAD-ACID BATTERIES, GIVEN IDENTICAL CAPITAL EXPENDITURES

Savings potential for the total cost of ownership, based on one forklift*

35%

7)

3.5

30.4

19.7

Lead acid battery TCO*

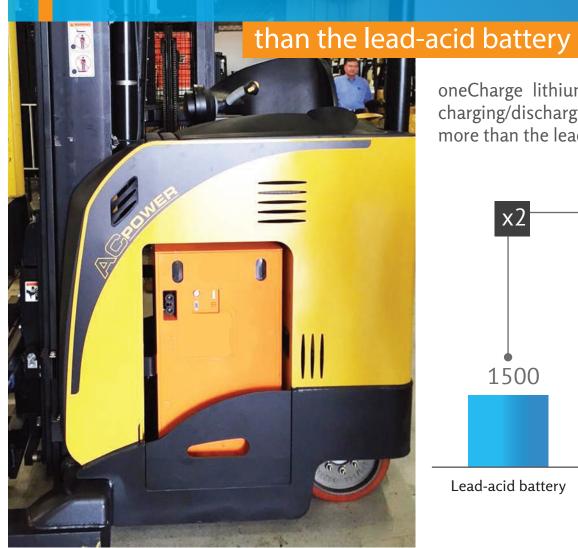
Maintanence and swapping

Electricity savings

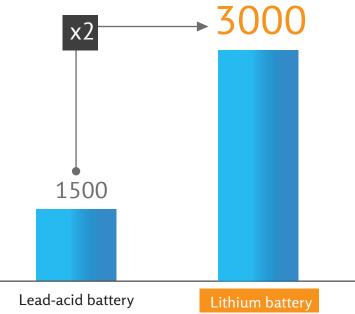
Lithium battery TCO

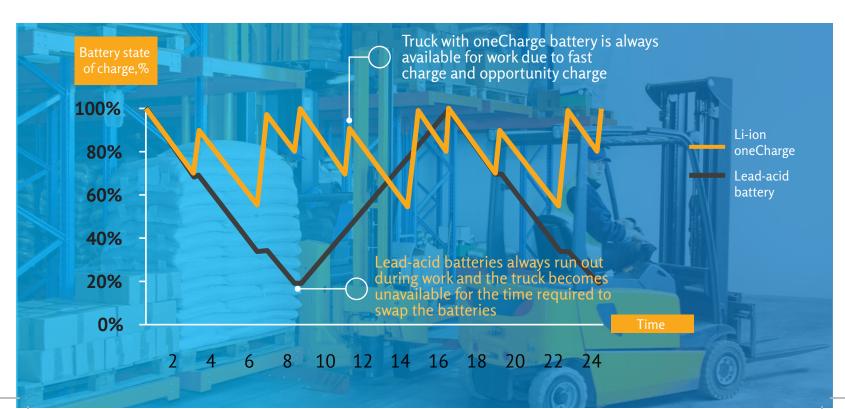


oneCharge lithium battery lifetime is 3000 charging discharging cycles that is 2 TIMES MORE



oneCharge lithium battery lifetime is 3000 charging/discharging cycles that is 2 times more than the lead-acid battery.





oneCharge Active battery management system

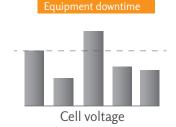
embodies A NUMBER OF UNIQUE

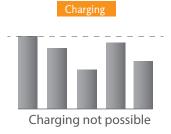
TECHNICAL SOLUTIONS

Solution	Function	Effect
Battery Equalizer system	Actively transfers power between cells, equalizes voltage	 Increases available capacity without increasing battery cost Reduces full charge time to 1.5 hours
Virtual cell effect	Supports weak or fully discharged cell using other cells	 Assures battery function even if some cells have malfunctioned
Energy-saving mode	Minimizes power consumption of all electric systems during battery down time	 Battery does not run down during storage (for several months) Self-discharge of no more than 3% per month
Solid State Contractor	Disconnects current flow from charger and to truck under maximum load up to million times	Ability to use existing chargersComplete battery protection

HOW THE BATTERY EQUALIZER WORKS

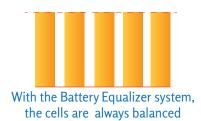
Regular li-ion battery







oneCharge



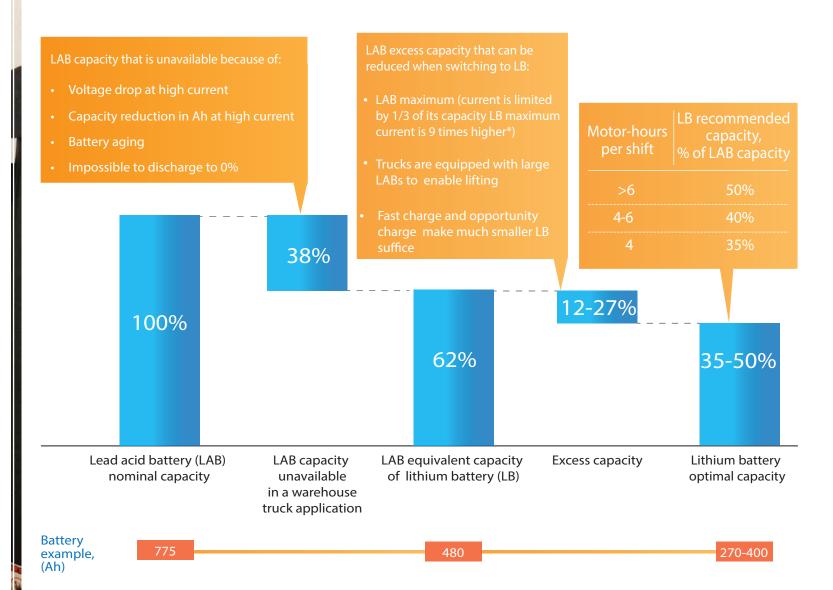






LITHIUM BATTERY SELECTION

oneCharge lithium battery requires much less capacity to do the same work.



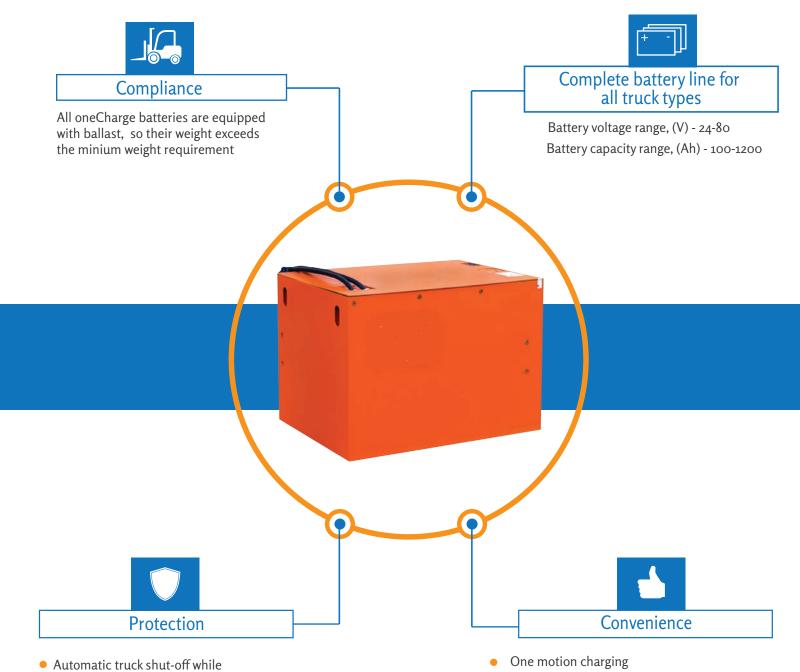
Chargers



oneCharge batteries may be charged using a wide range of chargers by Power Designers, EcoTech and others. These chargers support 24-, 36-, 48- and 80-volt batteries.

oneCharge batteries SPECIFICALLY DESIGNED FOR

WAREHOUSES



- Automatic truck shut-off while connected to charger
- Completely maintenance-free
- Protection from:
 - Over voltage
 - Under voltage
 - Over limit current
 - Overheating
 - Freezing

- Charger automatically switches on when the charger plug is plugged
- Charger automatically switches off when the charger plug is unplugged





oneCharge engineers developed the Frost battery designed specifically for work in cold storage warehouses. The distinguishing feature of this battery is its insulated enclosure, which protects the lithium cells from the effects of low temperatures. oneCharge Frost is safe and environmentally friendly solution for food products.

OPERATING TEMPERATURES



Battery may be used at ambient air temperatures ranging from -31°F to + 104°F



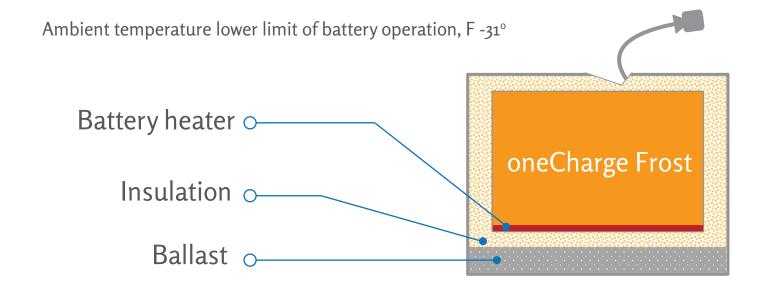
Battery may be charged at temperatures ranging from -31°F to + 104°F

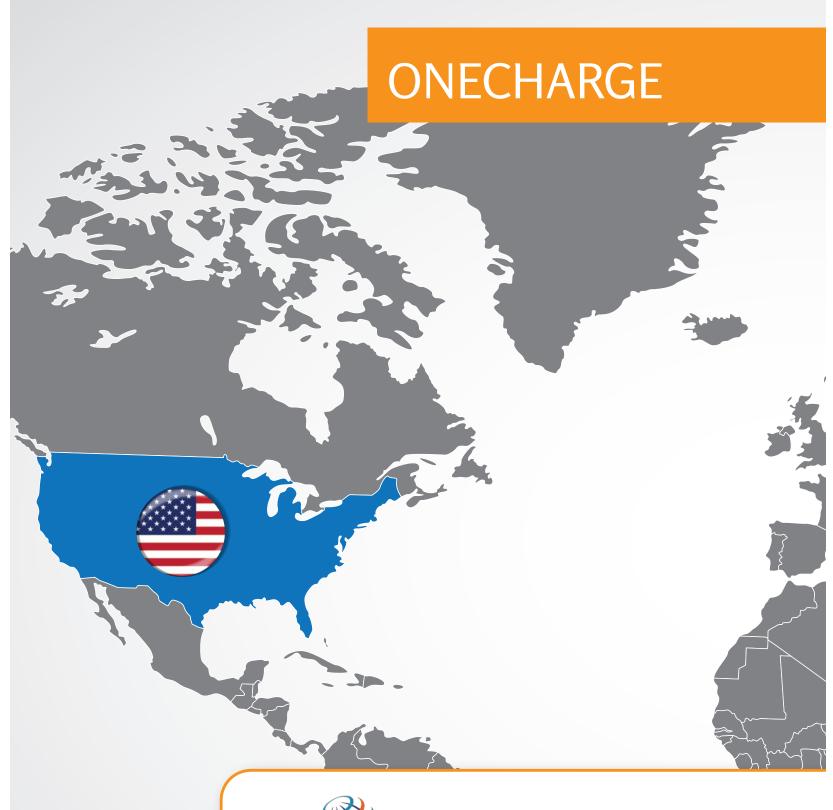


Battery must be stored within a temperature range of o°F to + 104°F

oneCharge Frost is designed specifically

FOR COLD STORAGE

















PROJECTS GEOGRAPHY





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