



LITHIUM BATTERY
INFORMATION

FULLER
BATTERY ±
Trusted Since 1860



LIGHTER	×	✓	LIGHTER
FASTER CHARGE	×	✓	FASTER CHARGE
CHEAPER	✓	×	CHEAPER
LONGER LIFE	×	✓	LONGER LIFE
MORE COMPACT	×	✓	MORE COMPACT

Lighter

LiFePO4 (13KG) IS APPROXIMATELY HALF THE WEIGHT OF THE LEAD ACID (25KG)

Faster

LiFePO4 HAS THE POTENTIAL TO FULLY CHARGE WITHIN ONE HOUR WITH THE CORRECT CHARGER.

Longer Life

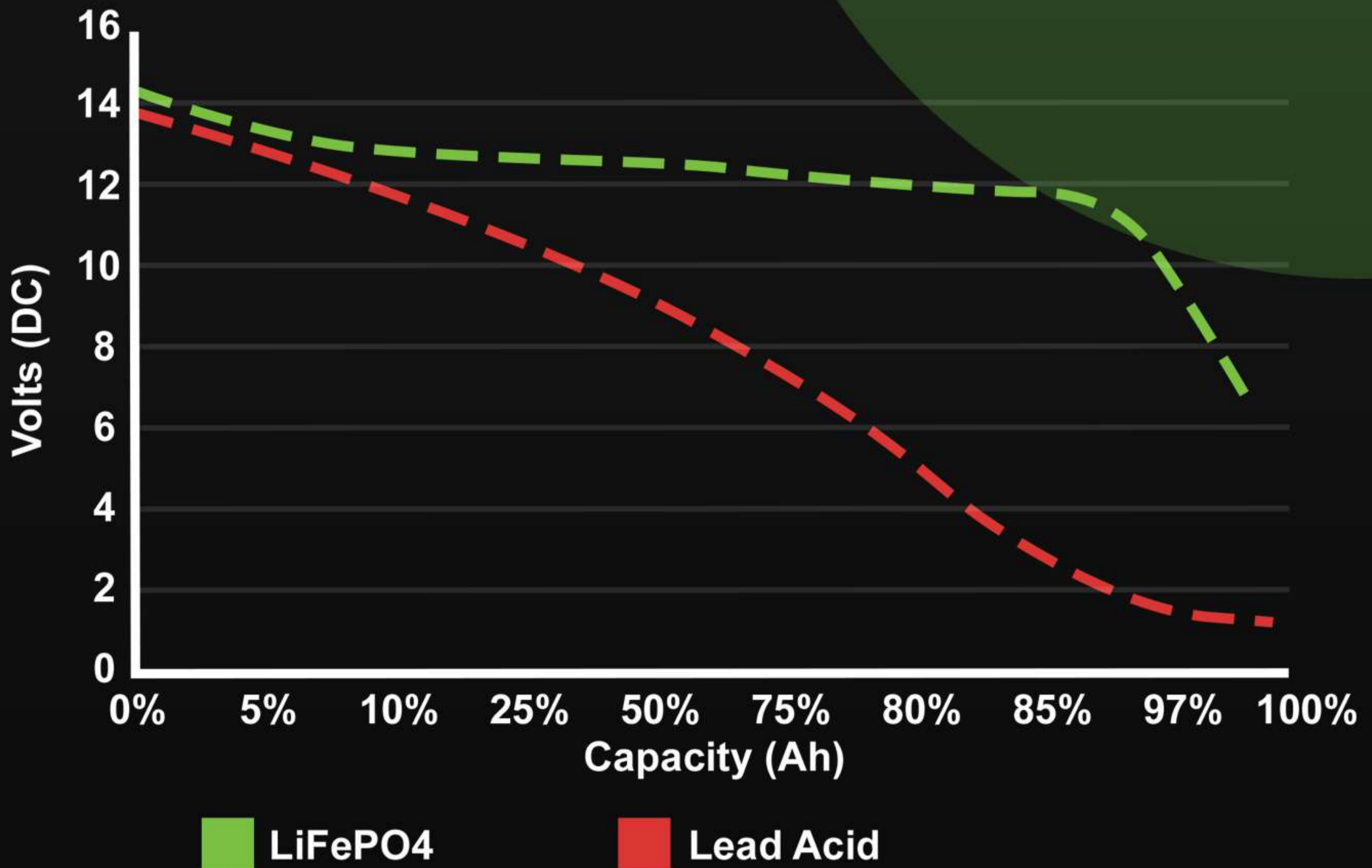
USABLE CAPACITY OF LiFePO4 IS UP TO 60% MORE THAN LEAD ACID

More Compact

LiFePO4 HAS A GREATER POWER DENSITY AND IS PHYSICALLY SMALLER



USABLE CAPACITY OF LIFEP04 IS UP TO 60% EXTRA AS SHOWN BY THIS SIMPLE GRAPH...



AS SHOWN BY THE GRAPH ABOVE, THE DISCHARGE CURVE OF THE LEAD ACID BATTERY IS DIFFERENT TO THAT OF THE LITHIUM BATTERY. MOST 12V ELECTRICAL ITEMS WILL STOP FUNCTIONING WHEN THE LEAD ACID BATTERY DROPS TO 10.6V. THE LIFEP04 BATTERY HOLDS THE VOLTAGE UNTIL IT IS NEARLY FLAT GIVING AROUND 60% MORE USEABLE POWER.



THE CHARGING CHARACTERISTICS AND VOLTAGES ARE SIMILAR IN BOTH LITHIUM IRON PHOSPHATE (LIFEP04) AND LEAD ACID BATTERIES. CARE SHOULD BE TAKEN WHEN CHARGING LIFEP04 USING A LEAD ACID BATTERY CHARGER AS SOMETIMES THESE HAVE A DESULPHATION CYCLE THAT CAN CAUSE DAMAGE TO THE BATTERY MANAGEMENT SYSTEM (BMS).