

DESCRIPTION

A lithium titanate cell is a modified lithium ion cell that uses lithium titanate nanocrystals on the surface of the anode instead of carbon. This gives the anode an area of 100m² per gram of carbon, which allows electrons to enter and exit the anode more quickly. This makes fast charging possible with high currents when needed. Lithium-titanate cells also withstand 10,000-15,000 charge cycles, much more than other chemistries of 500-1000 cycles. LTOs have a lifespan of 10 to 15 years instead of 2-4 years for normal acid or AGM batteries. Batteries manufactured on the basis of LTO are able to operate in severe frost conditions (from minus 50 ° C) and in extreme heat conditions (up to plus 65 ° C). Data shows that these batteries can be safely charged at speeds above 10C. This means that the battery can be charged in less than 10 minutes. The maximum charge and discharge rate is 10C, so in this case it is 480A! Minimal overheating or heat release during operation. The LTO Audiosystem battery, fast charging in 6 minutes, wide temperature range (-50 ° ~ 60 °), 30 years life, no flame, no explosion, high safety and high efficiency. It has gained popularity from world-famous partners.

LTO battery has been widely used in new energy vehicles and in the field of energy storage of communication stations, network frequency modulation, household, industry, railway, military, etc. And it has broad market prospects and application values.

Tests performed:

Cut test = NO FLAME

Electric piercing test = NO FLAME

Immersion penetration test = NO FLAME

Drop test = NO FLAME

High temperature test = NO FLAME

Gasoline Combustion Test = NO FLAME



FEATURE

LTO CELL		No Cells: 6
2,8	maximall voltage	16,8
2,65	charge voltage	15,9
2,4	nominal voltage	14,4
2,2	operation voltage	13,2
1,85	low voltage	10,8
1,7	minimal voltage	10,2

Dimensions

