LITHIUM

TITANATE NANOPARTICLES

Lithium Titanate has already become one of the most attractive anode materials for lithium-ion batteries (LIBs), due to the zero-strain insertion, high safety, and excellent cycle stability. Research has been carried out on the alternative anode materials that have good safety, good cycling stability, and high rate performance. Li-titanate has a nominal cell voltage of 2.40V, can be fast charged and delivers a high discharge current of 10C, or 10 times the rated capacity. The cycle count is said to be higher than that of a regular Li-ion. Li-titanate is safe, has excellent low- temperature discharge characteristics and obtains a capacity of 80 percent at –30°C (–22°F).

Quick FACTS

- ✓ Product : Lithium Titanate Nanoparticles
- ✓ Stock No : NS6130-12-000958
- ✓ CAS : 12031-95-7
- ✓ Color : White
- ✓ Form : Powder

CE ISO 9001:2015 CERTIFIED COMPANY

ISO: 13485:2016/20ZICE4588M

CE: 20ZICE4589C

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Technical SPECIFICATION

Molecular Weight	Density	Melting Point
459.09 g/mol	3.5g/cm3	>1000 °C

APPLICATIONS

- ✓ Electrode materials for lithium-ion batteries
- ✓ Cathode for molten carbonate fuel cells
- ✓ Used in sintering
- ✓ Solar-powered street lighting
- ✓ Li-ion batteries for large-scale energy storage
- ✓ Micro -batteries or super capacitors

PACKING SIZES: 25GMS, 50GMS, 100GMS, 500GMS & BULK ORDERS

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