

Stanley whittingham lithium ion battery



Overview

Whittingham is a key figure in the history of lithium-ion batteries, which are used in everything from mobile phones to electric vehicles. He discovered intercalation electrodes and thoroughly described intercalation reactions in rechargeable batteries in the 1970s.

Age 84 years
Place of birth
Overview

Sir Michael Stanley Whittingham (born 22 December 1941) is a British-American . He is a professor of chemistry and director of both the Institute for Materials Research and the and Engineerin. Whittingham was born in the Carlton suburb of, on 22 December 1941. His father was a civil engineer, the first in the family to go to college. His mother Dorothy Mary (née Findley) wa.

Whittingham and his boss, Fred Gamble, PhD, conceived the electrode. Exxon manufactured Whittingham's lithium-ion battery in the 1970s, based on a cathode and a lithium-aluminum anode. Th. Stanley is married to Dr. Georgina Whittingham, a professor of Spanish at the . He has two children, Michael Whittingham and Jenniffer Whittingham-Bras.

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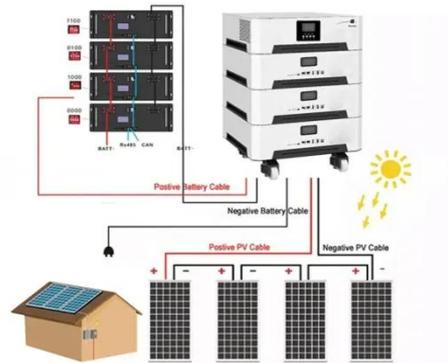


Tesla Gigafactory demand: revisited , Benchmark Source

Professor Stanley Whittingham was awarded Benchmark's Lifetime Achievement Award at Benchmark Week 2023 conference in Los Angeles. Whittingham won the Nobel Prize in chemistry ...

M. Stanley Whittingham

M. Stanley Whittingham (Michael) Stanley Whittingham was born in Nottingham, England, in 1941. The longtime Society member and ECS Fellow won the 2019 Nobel Prize in Chemistry for his research in ...



Stanley Whittingham

Whittingham was recently awarded the Nobel Prize in Chemistry for his development of lithium-ion batteries. He and his team discovered that holding lithium ions between plates of titanium ...

The Origins of the Lithium Battery

The origins of the lithium-ion battery are intimately associated with the discovery and development of fast ion transport of ions in solids. Whereas, Volta originated the study of batteries, it was Michael ...

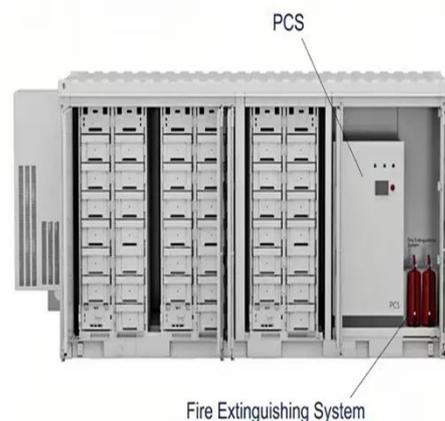


M. Stanley Whittingham , Biography & Facts , Britannica

M. Stanley Whittingham, British-born American chemist who won the 2019 Nobel Prize in Chemistry for his work in developing lithium-ion batteries. He shared the prize with American chemist ...

M. Stanley Whittingham

Whittingham is a key figure in the history of lithium-ion batteries, which are used in everything from mobile phones to electric vehicles. He discovered intercalation electrodes and thoroughly described ...



Timeline of M. Stanley Whittingham: Pioneer of Lithium-Ion Batteries

Explore the timeline of M. Stanley Whittingham, a renowned chemist whose groundbreaking work on lithium-

ion batteries revolutionized the field of energy storage.



Pioneers of innovation: The battery that changed the world

In the 1970s Dr. Whittingham was working at ExxonMobil's Clinton, New Jersey, corporate research lab when he created the very first examples of a radical new technology: the ...



'Founding Father' of lithium-ion batteries helps solve 40-year problem

In the late 1970s, M. Stanley Whittingham was the first to describe the concept of rechargeable lithium-ion batteries, an achievement for which he would share the 2019 Nobel Prize in ...

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