

What is the energy storage principle of lithium iron phosphate monomer

Overview [LiMPO₄](#) [History and production](#) [Physical and chemical properties](#) [Applications](#) [Intellectual property](#) [Research](#) With general chemical formula of LiMPO_4 , compounds in the LiFePO_4 family adopt the olivine structure. M includes not only Fe but also Co, Mn and Ti. As the first commercial LiMPO_4 was C/LiFePO_4 , the whole group of LiMPO_4 is informally called "lithium iron phosphate" or " LiFePO_4 ". However, more than one olivine-type phase may be used as a battery's cathode material. Olivine compounds such as A_yMPO_4 , $\text{Li}_{1-x}\text{MFePO}_4$, and $\text{LiFePO}_{4-z}\text{M}$ have the same cryst...

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