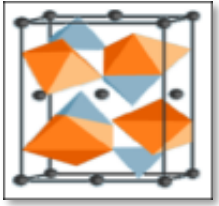


LFP Cell Ensures Safety and Reliability

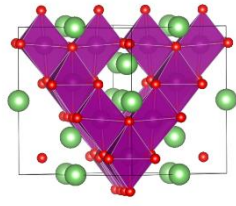
Huawei LFP Cell



LFP

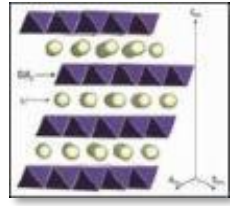
Olive-like 3D
More stable

Other Cells



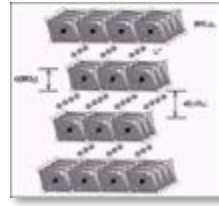
LMO

Cubic crystal 3D
Stable



LCO

Layered 2D
Fragile



NCM

Layered 2D
Fragile

LFP material is with higher stability

Battery Cell	Power density	Safety	Performance	Cycle Life	Cost
LCO	Highest	Medium	High	Medium	Medium
LMO	High	High	Medium	Medium	Medium
NMC	Highest	High	High	Medium	Medium
LFP	Medium	Highest	High	High	Medium
NCA	Highest	Medium	High	Highest	High

LFP decomposition does not generate O₂, which dramatically reduce the explosion risk

LFP



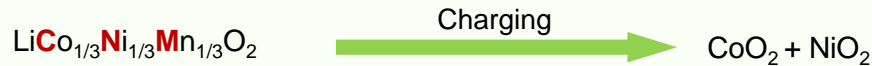
LMO



LCO



NMC



Normal charging

- Lithium Cobalt Oxide (LiCoO₂)
- Lithium Manganese Oxide (LiMn₂O₄ or "LMO")
- Lithium Nickel Manganese Cobalt Oxide (LiNiMnCoO₂ or "NMC")
- Lithium Iron Phosphate (LiFePO₄)
- Lithium Nickel Cobalt Aluminum Oxide (LiNiCoAlO₂)

(480°C)



(180°C)



(150°C)



(180°C)

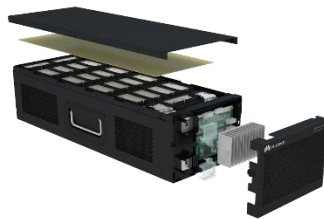


Over-charged / temperature

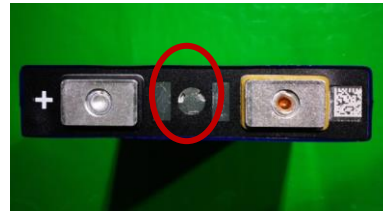
Thermal Run Away

Built-in Precise and Quick Fire Extinguishing, Preventing Fire From Spreading

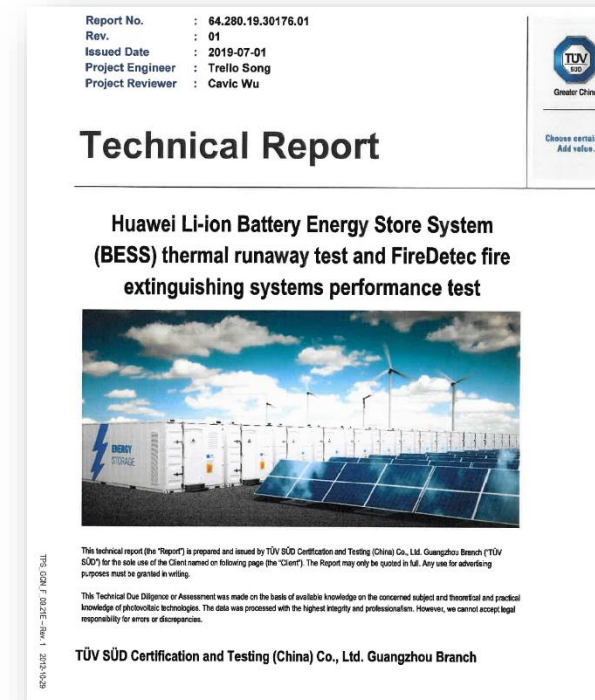
Cabinet-level fire extinguishing



Cell level Pressure relief Valve



Fire Extinguishing Verification TUV Report



Remarks:

- The fire extinguishing design and gas usage in the cabinet can only meet the requirements of the cabinet and cannot cover other equipment in the DC. Therefore, the fire extinguishing system cannot replace the room level fire extinguishing system.
- A fire cylinder and a fire detector are provided in standard configuration. The fire cylinder is free of maintenance for 10 years. (Fire gas is filled by professional personnel onsite, and the fire extinguishing gas is recommended to be FM200 or NOVEC1230)