

Scalable LFP Home Storage Battery  
- Design by SolaX Power

**TRIPLE**  
POWER



[www.solaxpower.com](http://www.solaxpower.com) | [info@solaxpower.com](mailto:info@solaxpower.com) | [info@triple-power.com](mailto:info@triple-power.com)

## █ *Globally Certified With 10-year Warranty*



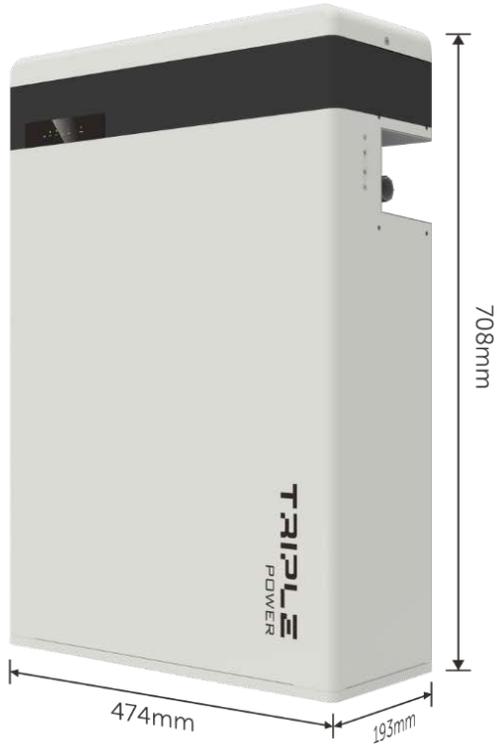
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# Overview



**Master Pack**  
T-BAT H 5.8  
5.8kWh  
(Integrated BMS + slave pack)



**Slave Pack**  
HV11550  
5.8kWh



Over 6000 cycle life and maximum safety performance with LFP technologies



IP55 for indoor and outdoor use



Flexible in series to achieve higher voltage



Contains **NO** toxic heavy metal or caustic materials

# Features and Advantages



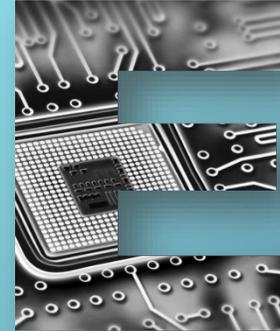
## Functional

- Can be used in series
- Support wireless remote upgrade
- Support CAN and 485 communication



## Mechanical

- IP55 rating
- Vibration resistant
- Over temperature / low temperature protection
- Built-in dual switch: button and breaker



## Electrical

- Overvoltage/ Undervoltage protection
- Overcurrent/ external short circuit protection
- Insulation resistance and electrical strength



## Chemical

- Material flame retardant level
- LiFePO<sub>4</sub> battery, safe and longer life span

# Compact, Safe and Functional BMS

Safety



- Software and hardware redundancy design
- Test: EMC, high and low-temperature aging, salt spray operation and vibration and other environmental tests

Accurate



- Online estimation of high-precision capacity power management
- Historical data recording



Real-time



- Real-time accurate SoC prediction
- Real-time operational data monitoring

## LFP vs NMC Battery

### Safety

Is the battery thermally safe to ensure it will not catch fire?

### Performance

Does the battery have low capacity loss at high temperatures?

### Environment

Is the battery safer for the environment?

## LiFePO<sub>4</sub>(LFP)



## LiNiMnCo(NMC)



Can experience thermal runaway accompanied by flame and explosion

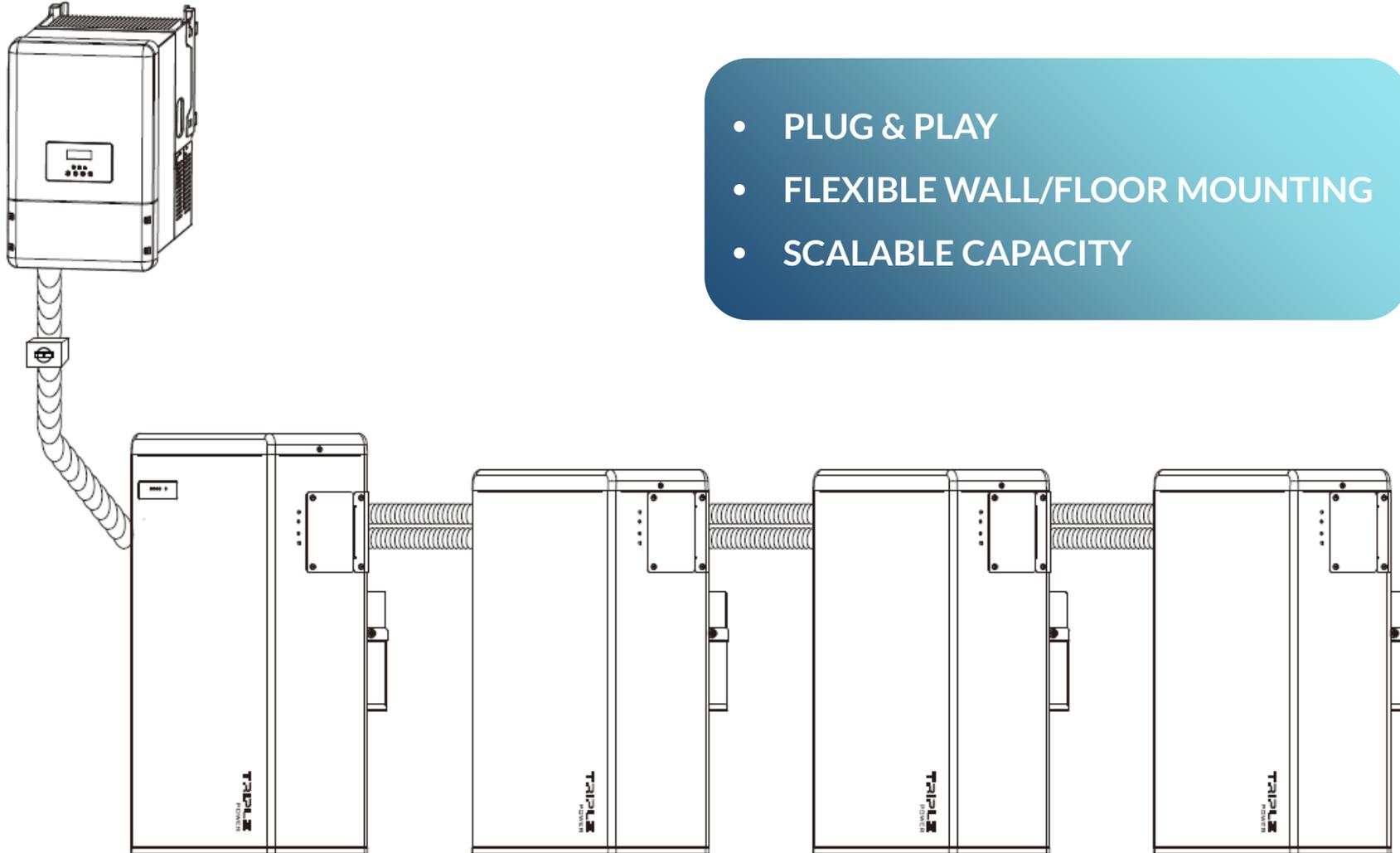


Considerable capacity loss is expected



Nickel and Cobalt are toxic heavy metals

## Easy to Install



## T-BAT H 5.8

Battery Type	LiFePO <sub>4</sub>
Nominal Voltage [V]	115.2
Operating Voltage [V]	100-131
Nominal Capacity [kWh]	5.8
Standard Power [kW]	2.9
Max Power [kW]	4.0
Recommend Charge/Discharge Current [A]	25
Max. Charge/Discharge Current [A]	35
Cycle Life [90% DOD]	> 6000 Cycles
Warranty [Year]	10
Available Operating Temperature Range [°C]	0 to 55
Full-load Operating Temperature Range [°C]	5 to 48
Protection	IP55
System to Inverter	CAN2.0
Safety	CE, RCM, TUV(IEC62619) UL1973,ROHS,REACH
UN Number	UN3840
Hazardous Materials Classification	Class 9
Transport Testing Requirement	UN38.3
Dimensions(LxWxH) [mm]	474*193*708 (T-BAT H 5.8) / 474*193*647 (HV11550)
Weight [kg]	72.2 (T-BAT H 5.8) / 68.5 (HV11550)