



Hightech Power

3.0kWh LiFePO₄ Lithium Battery

3.0/ 6.0/ 9.0/ 12.0



Simple. Reliable. Efficient.



**6000W
Charger/Discharger
Rate**



**High
Efficiency**



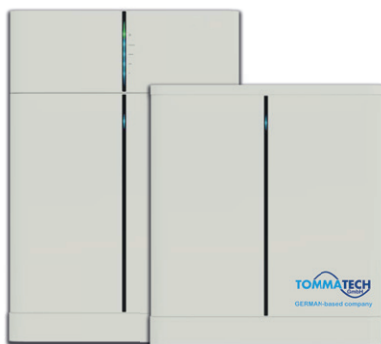
**Remote
Monitoring**



**IP65
Rated**



**LiFePO₄
Technology**



**LiFePO₄ Lithium Battery 3.0/LiFePO₄ Lithium Battery 6.0/
LiFePO₄ Lithium Battery 9.0/LiFePO₄ Lithium Battery 12.0**

Maximize your solar benefits with our durable and scalable battery solutions. The safest LiFePO₄ technology ensures long term and high-performing operation with more than 6000 life cycles at 90% DoD with marginal self-consumption. Up to 4 of our TT-3.0kWh batteries can be equipped effortlessly with a BMS for maximal customization.

3.0kWh LiFePO₄ LITHIUM BATTERY

MODEL	3.0 kWh	6.0 kWh	9.0 kWh	12.0 kWh
Uno-Hybrid-K 3.0T / 3.7T / 5.0T / 6.0T / 7.5T	Storage Manager + TT 3.0 kWh	Storage Manager + 2 x TT 3.0 kWh	Storage Manager + 3 x TT 3.0 kWh	Not Suitable
Trio-Hybrid-K 5.0T / 6.0T / 8.0T / 10.0T / 12.0T / 15.0T	Not Suitable	Storage Manager + 2 x TT 3.0 kWh	Storage Manager + 3 x TT 3.0 kWh	Storage Manager + 4 x TT 3.0 kWh
Battery	30Ah Lithium(LFP)	30Ah Lithium(LFP)	30Ah Lithium(LFP)	30Ah Lithium(LFP)
Nominal Voltage [V]	102.4	204.8	307.2	409.6
Operating Voltage Range [V]	90-116	180-232	270-348	360-464
Battery Module	Modulex1	Modulex2	Modulex3	Modulex4
Rated Capacity [Ah]	30			
Total Energy [kWh]	3.1	6.1	9.2	12.3
Usable Energy [kWh]	2.8	5.5	8.3	11.0
Faradic Charge Efficiency	99%			
Battery Roundtrip Efficiency [%]	95%			
Standard Power [kW]	2.55	5.1	7.65	10.2
Recommend Charge / Discharge Current [A]	25			
Max Charge / Discharge Current [A]	30			
Cycle Life [90% DOD]	6000 Cycles			
Warranty	10 Years			
Available Charge / Discharge Temperature [°C]	-30°C ~ 55°C			
Storage Temperature [°C]	0°C ~ 40°C (1 Year) -20°C ~ 50°C (3 Months)			
Humidity [%]	0 ~ 100%			
Altitude [m]	Below 3000m			
Protection	IP65			
System to Inverter	RS485/CAN2.0			
Battery to Battery / BMS	CAN2.0			
Master Control LED Indicator Working	1 LED			
Master Control Capacity Indicator	4LED (25%, 50%, 75%, 100%)			
Battery Module LED	1 LED	2 LED	3 LED	4 LED
Switch On / Off	Button x 1 + Breaker x 1			
Safety Certificate	CE, TUV (IEC62619), MSDS			
UN Number	UN3840			
Hazardous Materials Classification	Class 9			
Transport Testing Requirement	UN38.3			
Physical Characteristics				
Dimensions (WxLxH) [mm]	Storage Manager: 482x174x148 TT 3.0 kWh: 482x472x148	Storage Manager: 482x174x148 +2 x TT 3.0 kWh: 482x472x148	Storage Manager: 482x174x148 +3 x TT 3.0 kWh: 482x472x148	Storage Manager: 482x174x148 +4 x TT 3.0 kWh: 482x472x148
Weight [kg]	Storage Manager: 75kg + TT 3.0 kWh: 33kg	Storage Manager: 75kg +2 x (TT 3.0 kWh: 33kg) = 66kg	Storage Manager: 75kg +3 x (TT 3.0 kWh: 33kg) = 99kg	Storage Manager: 75kg +4 x (TT 3.0 kWh: 33kg) = 132kg

*The data and technical specifications specified in this document are for preliminary information and may vary depending on the usage method of the products, system design and ambient conditions.