



Hightech Power  
**3.0kWh LiFePO<sub>4</sub> Lithium Battery**  
**3.0/ 6.0/ 9.0/ 12.0**



*Simple. Reliable. Efficient.*



**6000**  
Charger/Discharger  
Rate



**High**  
Efficiency



**Remote**  
Monitoring



**IP65**  
Rated



**LiFePO<sub>4</sub>**  
Technology



**LiFePO<sub>4</sub> Lithium Battery 3.0/LiFePO<sub>4</sub> Lithium Battery 6.0/  
LiFePO<sub>4</sub> Lithium Battery 9.0/LiFePO<sub>4</sub> Lithium Battery 12.0**

Maximize your solar benefits with our durable and scalable battery solutions. The safest LiFePO<sub>4</sub> 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.

MODEL	3.0 kWh	6.0 kWh	9.0 kWh	12.0 kWh
<b>Uno-Hybrid-K</b> 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
<b>Trio-Hybrid-K</b> 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)			
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	Module x 1	Module x 2	Module x 3	Module x 4
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			
Roundtrip Efficiency [%]	95			
Standard Power [kW]	2.5	5.1	7.6	10.2
Recommend Charge / Discharge Current [A]	25			
Max Charge / Discharge Current [A]	30			
Cycle Life [%90 DOD]	6000			
Warranty [Year]	10			
Available Charge / Discharge Temperature [°C]	-30 ~ 55			
Storage Temperature [°C]	0 ~ 40 (1 Year) -20 ~ 50 (3 Months)			
Humidity [%]	0 ~ 100			
Altitude [m]	Below 3000			
Protection	IP67			
System to Inverter	RS485 / CAN2.0			
Battery to Battery / BMS	CAN2.0			
Master Control LED Indicator Working	1 LED			
Master Control Capacity Indicator [%]	4 LED (25, 50, 75, 100)			
Battery Module LED	1 LED	2 LED	3 LED	4 LED
Switch On / Off	Buton x 1 + Breaker x 1			
Safety Certificate	CE, MSDS			
Un Number	UN3480			
Hazardous Materials Classification	Class 9			
Transport Testing Requirement	UN38.3			
<b>Physical Characteristics</b>				
Dimensions (WxLxH) [mm]	Storage Manager: 482.5x173.5x153 TT 3.0 kWh: 482.5x471.5x153	Storage Manager: 482.5x173.5x153 +2 x TT 3.0 kWh: 482.5x471.5x153	Storage Manager: 482.5x173.5x153 +3 x TT 3.0 kWh: 482.5x471.5x153	Storage Manager: 482.5x173.5x153 +4 x TT 3.0 kWh: 482.5x471.5x153
Weight [kg]	Storage Manager: 7.5 + TT 3.0 kWh: 34.5	Storage Manager: 7.5 +2 x (TT 3.0 kWh: 34.5) = 69	Storage Manager: 7.5 +3 x (TT 3.0 kWh: 34.5) = 103.5	Storage Manager: 7.5 +4 x (TT 3.0 kWh: 34.5) = 138

\*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.