



Hightech Power
3.0kWh Lithium Battery
3.0/ 6.0/ 9.0/ 12.0

Simple. Reliable. Efficient



3 Phase /
1 Phase



High
Efficiency



Remote
Monitoring



IP67
Rated



LiFePO₄
Technology



Lithium Battery 3.0/ Lithium Battery 6.0/ Lithium Battery 9.0/ 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.

MODEL	3.0 kWh	6.0 kWh	9.0 kWh	12.0 kWh
Uno-Hybrid 3.0T / 3.7T / 4.6T / 5.0T	Storage Manager + TT 3.0 kWh	Storage Manager	Storage Manager	Not Suitable
Trio-Hybrid 5.0T / 6.0T / 8.0T / 10.0T	Not Suitable	+ 2 x TT 3.0 kWh	+ 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]	3.1	6.1	9.2	12.3
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 Year	
Available Charge / Discharge Temperature [°C]			-30°C ~ 55°C	
Storage Temperature [°C]			0°C ~ 40°C (1 Year) -20°C ~ 55°C (3 Months)	
Humidity [%]			0 ~ %100	
Altitude [m]			Below 4000m	
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			4LED (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, 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: 7.5kg + TT 3.0 kWh: 33kg	Storage Manager: 7.5kg +2 x (TT 3.0 kWh: 33kg) = 66kg	Storage Manager: 7.5kg +3 x (TT 3.0 kWh: 33kg) = 99kg	Storage Manager: 7.5kg +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.