

5.8kWh LiFePO₄ LITHIUM BATTERY



Hightech Power

5.8 kWh LiFePO₄ Lithium Battery

5.8/ 11.5/ 17.3/ 23.0

Simple. Reliable. Efficient



6000W
Charger/Discharger
Rate



High
Efficiency



Remote
Monitoring



IP65
Rated



LiFePO₄
Technology



**LiFePO₄ Lithium Battery 5.8/LiFePO₄ Lithium Battery 11.5/
LiFePO₄ Lithium Battery 17.3/LiFePO₄ Lithium Battery 23.0**

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. Our GeneralPacks with inbuilt BMS can effortlessly be upgraded with up to 3 BoosterPacks to increase backup times and savings.

5.8kWh LiFePO₄ LITHIUM BATTERY



MODEL	5.8 kWh	11.5 kWh	17.3 kWh	23.0 kWh
Uno-Hybrid 3.0T / 3.7T / 4.6T / 5.0T	General Pack	General Pack + Booster Pack	General Pack + 2 x Booster Pack	Not Suitable
Trio-Hybrid 5.0T / 6.0T / 8.0T / 10.0T	Not Suitable	General Pack + Booster Pack	General Pack + 2 x Booster Pack	General Pack + 3 x Booster Pack
Nominal Voltage [V]	115.2	230.4	345.6	460.8
Operating Voltage [V]	100-131	200-262	300-393	400-524
Battery Type	Li-Ion (LFP)	Li-Ion (LFP)	Li-Ion (LFP)	Li-Ion (LFP)
Total Capacity [kWh]	5.8	11.5	17.3	23.0
Usable Capacity [kWh]	5.2	10.4	15.6	20.7
Faradic Charge Efficiency [%]	99	99	99	99
Battery Roundtrip Efficiency [%]	95	95	95	95
Standard Power [kW]	2.9	5.8	8.7	11.6
Max. Power [kW]	3.5	7	10.5	14
Recommended Charge / Discharge Current [A]	25	25	25	25
Max. Charge / Discharge Current [A]	35	35	35	35
Short Circuit Current [A]	1440	1440	1440	1440
Cycle Life	>6000 Cycles	>6000 Cycles	>6000 Cycles	>6000 Cycles
Warranty [Year]	10	10	10	10
Available Operating Temperature Range [°C]	0 ~ 55			
Full-Load Operating Temperature Range [°C]	5 ~ 48			
Humidity [%]	4 ~ 100 (Condensing)			
Max. Operation Altitude [m]	2000			
Protection	IP65			
System to Inverter	CAN2.0			
Battery to Battery/BMS	RS485			
Data Collect on Port /FW UPDATE	CAN2.0			
Master Control Working Mode Indicator	1 LED			
Master Control Capacity Indicator	4LED (25%, 50%, 75%, 100%)			
Battery Module LED	2 LED			
Reset	Button			
Physical Characteristics				
Dimensions (WxLxH) [mm]	474x193x708	(474x193x708)+(474x193x647)	(474x193x708)+2x(474x193x647)	(474x193x708)+3x(474x193x647)
Weight [kg]	72.2	72.2 + 68.5	72.2 + 2x68.5	72.2 + 3x68.5

*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.