

LFP 5000 / HV

51.2V 100Ah Each Block

RECHARGEABLE LITHIUM BATTERY



High inverter compatibility

Compatible with most inverters, resulting in increased battery system flexibility and efficiency.



CANbus standard connection

The CANbus standard connection enables reliable communication and efficient data transfer between electronic devices in PV energy storage system applications.



Scalable up to 1000V

The system is scalable up to 1000V, offering flexibility for high-voltage applications while maintaining safety and efficiency.



>15 Years life span

The lifespan exceeds 15 years, ensuring long-lasting durability and reliability.



Cells cycle times 6000 cycles

The cells have a cycle life of up to 6,000 cycles, providing exceptional longevity and performance.



Smart BMS system to optimize the performance

The advanced Smart BMS system optimizes performance by ensuring efficient management and protection of the battery.

UN 38.3

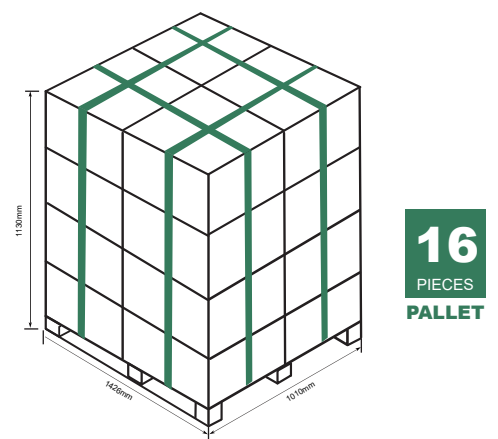
 **SUNKET[®]-ESS**

Electrical Characteristics

LFP 5000 / HV

Model		LFP 20-77kWh / HV		
Main Parameter				
Chemistry Cell		LiFePO4		
Module Energy(kWh)		5.12		
Module Nominal Voltage(V)		51.2		
Module Capacity(Ah)		100		
Battery Module Qty in series.(Optional)	4	10	15	
System Nominal Voltage (V)	204.8	512.0	768.0	
System Operating Voltage(V)	172~232	430~580	632~870	
System Energy (kWh)	20.48	51.20	76.80	
System Usable Energy(kWh)(90%DOD)	18.4	46.0	69.0	
Charge / Discharge Current(A)	Recommend	50		
	Max	100		

Working Temperature(°C)		Charge: 0~45 Discharge:-10~50		
Cooling Type		Natural cooling		
Communication Interface		CAN/RS485		
Humidity		Up to 90% (non- condensing)		
Altitude		≤2000m		
IP Rating		IP20		
Dimension(W / D / H,mm)		545*545*2270	545*1022*1610	
Weight Approximate(kg)		220	520	770
Pollution Degree		3		
Over Voltage Category		II		
Storage Temperature (°C)		-20~50		
Protective Class		I		
Cycle Life		>15 years		
Warranty		10 years		
Certification		UN38.3		
Protection Mode		Triple hardware protection		
Battery Protection		Over-current / Over-voltage / Short circuit / Under-voltage		



Packing Configuration

Pallet Dimensions	1426×1010×1130mm	
Container	20'GP	40'HQ
Pieces per Pallet	16	16
Pallets per Container	16	26
Pieces per Container	256	416

Compatible Inverters







Specifications are subject to change without further notification
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