LFP 20-77kWh / 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

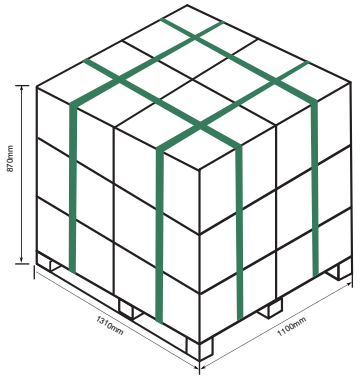
SUNKET®-ESS

Electrical Characteristics

LFP 20-77kWh / 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 (℃)	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 (℃)	-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		



12 PIECES PALLET

Packing Configuration

Pallet Dimensions	1310×1100×870mm	
Container	20'GP	40'HQ
Pieces per Pallet	12	12
Pallets per Container	16	36
Pieces per Container	192	432

Compatible Inverters

GROWATT · Deye · Afore 艾伏 · SOLINTEG INTEGRATE SOLAR INTELLIGENTLY · solis · SOFAR SOLAR

sunket.com

sales@sunket.cn

Specifications are subject to change without further notification

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