



Wall Mounted

First Solid-State
Lithium-ion Battery ESS

LFP 5120M/10240M

Join Us

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Rack Mounted



Higher Safety
Protection



16 Years
Total Calendar Life



High Inverter
Compatibility



Solid-State
LFP Battery Cells



Faster
Dis/Charging Speed



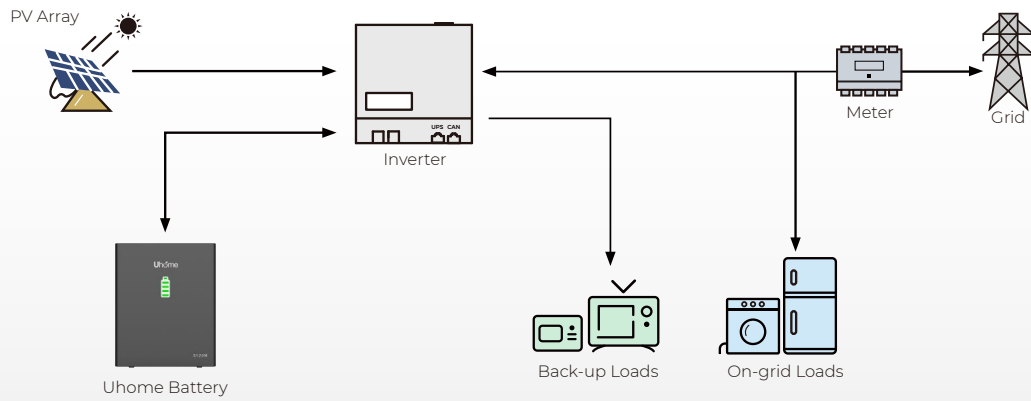
Smart APP
Monitoring



Intelligent
Built BMS



Scalable up to
164kW



Product Type	LFP 5120M	LFP 10240M
Technical Specifications		
Total Energy*	5.1kWh	10.2kWh
Usable Energy(DC)*	4.7kWh	9.4kWh
Max Charge Power	5.12kW	10.2kW
Max Discharge Power	7.68kW	10.2kW
Peak Power(Only Discharge)	9kW for 3s	12kW for 3s
Voltage	48~56Vd.c	
Nominal Voltage	51.2Vd.c	
Max. Charge Voltage	57.6Vd.c	
Max Discharging Current	150A	220A
Max Charging Current	100A	200A
Weight	50kg	85kg
Dimension(mm) (H*L*W)	535*442*165mm	920*442*165mm
Max.recommended DOD	90%	
Operating Condition	Indoor	
Operating Temperature	Charge	From 0~50 C
	Discharge	From -10~55 C
WIFI Frequency Range	2400MHz~2483MHz	
Humidity	<60%(No condensed water)	
Over Voltage Category	II	
Cooling Type	Natural cooling	
Case Material	Metal	
Color	Black or White	
Installation	Wall/Ground/Rack Mounting	
IP rating	IP 20	
Protective Class	I	
Max. Connection Number	16P	
Warranty	10 years	
Life Span	>16 years	
Communication	CAN/ RS485	
Protection Mode	Dual hardware protection	
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety	Cell UL 1973	
	CE	
Hazardous Material Classification	9	
Transportation	UN 38.3	

Testing conditions based on temperature 25 °C at the beginning of life.
 *Total Energy/Usable Energy measured under specific conditions from uhome 0.2C CC-CV.