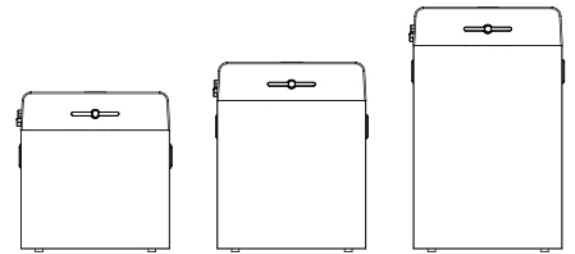




ENERGY STORAGE BATTERY

Lovsun PBOX5/5.8/10/LV Lithium Battery Storage

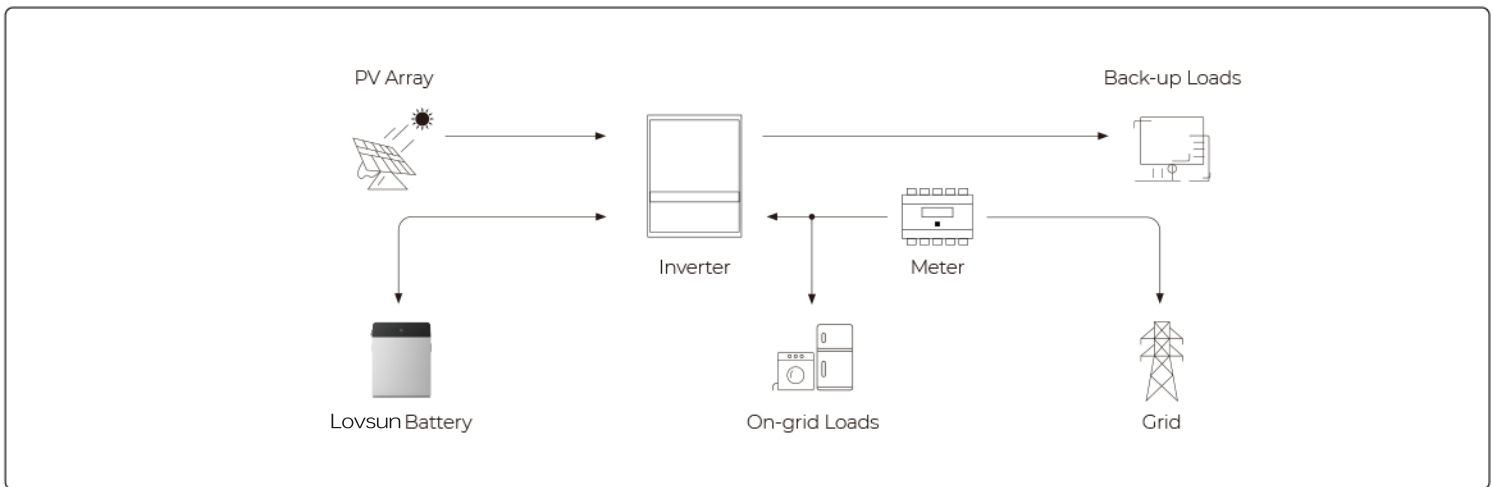
APPLICATIONS




Lovsun PBOX5.0LV

Lovsun PBOX5.8LV

Lovsun PBOX10LV



FEATURES



Reliable LFP Cells



Easy Installation & After Sales Service



High Inverter Compatibility




Digital monitoring system APP




Intelligent Build in BMS



Safety Protection and Easy Move



>6,000 Cycles at 90% DOD



Scalable up to 20-40kW(4 Parallel)

Technical Specifications

Model	Lovsun PBOX 5.0LV	Lovsun PBOX 5.8LV	Lovsun PBOX 10LV
Total Energy*	5kWh	5.8kWh	10kWh
Usable Energy(DC)*	4.6kWh	5.3kWh	9.2kWh
Nominal Dis-/Charge Power	3.0kW	2.75kW	4.6kW
Peak Power(Only Discharge)	7kW for 3s	7kW for 3s	10kW for 3s
Constant Current(Only Discharge)	100A	100A	120A
Voltage	48~56Vd.c	42~54Vd.c	48~56Vd.c
Nominal Voltage	51.2Vd.c	48Vd.c	51.2Vd.c
Nominal Current	60A	57A	90A
Max. Charge Voltage	57.6Vd.c	54.0Vd.c	57.6Vd.c
Weight	55kg	66kg	96kg
Dimension(mm)	525*635*238mm	525*635*238mm	525*820*238mm
Max.recommended DOD	90%		
Operating Condition	Indoor or outdoor		
Operating Temperature	Charge	From 0~45℃	
	Discharge	From -10~50℃	
WiFi Frequency Range	2400MHz~2483MHz		
Humidity	4~100%(No condensed water)		
Pollution Degree	3		
Over Voltage Category	II		
Cooling Type	Natural cooling		
Case Material	Metal + Plastic		
Color	Black+Silver grey or White		
Installation	Free standing		
IP rating	IP 65		
Protective Class	I		
Max. Number of Parallel or Series	4		
Warranty	10 years		
Life Span	>15 years		
Communication	CAN/ RS485		
Protection Mode	Triple hardware protection		
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature		
Safety	Cell UL 1973	Cell UL 1973	Cell UL 1973
	CE	Pack TUV/CE	CE
Hazardous Material Classification	9		
Transportation	UN 38.3		

Testing conditions based on temperature 25℃ at the beginning of life.

***Total Energy/Usable Energy measured under specific conditions from Uhome 0.2C CC-CV**