



RESIDENTIAL ESS

LITHIUM BATTERY

Free standing / Wall-mounted
Energy Storage System



SUMMARY

Introduce the LIFEP04 PowerWall battery for residential energy storage-a fashionable home energy storage solution. The battery is equipped with smart BMS to monitor the battery and multiple protection. The UNIV PowerWall series lithium battery allows parallel connection to enhance capacity, and can easily monitor its working conditions by uplink and optional bluetooth. The extraordinary compatibility of it with the extensive inverter brand ensures seamless integration into your energy system. Select the UNIV PowerWall series battery to ensure a reliable and continuous power supply -ultimate energy demand selection.



FEATURES



CANBus standard connection



5+5 Years Warranty



Bluetooth optional



Optimal Electricity Cost



High inverter compatibility



>6,000 Cycles at 90%DOD

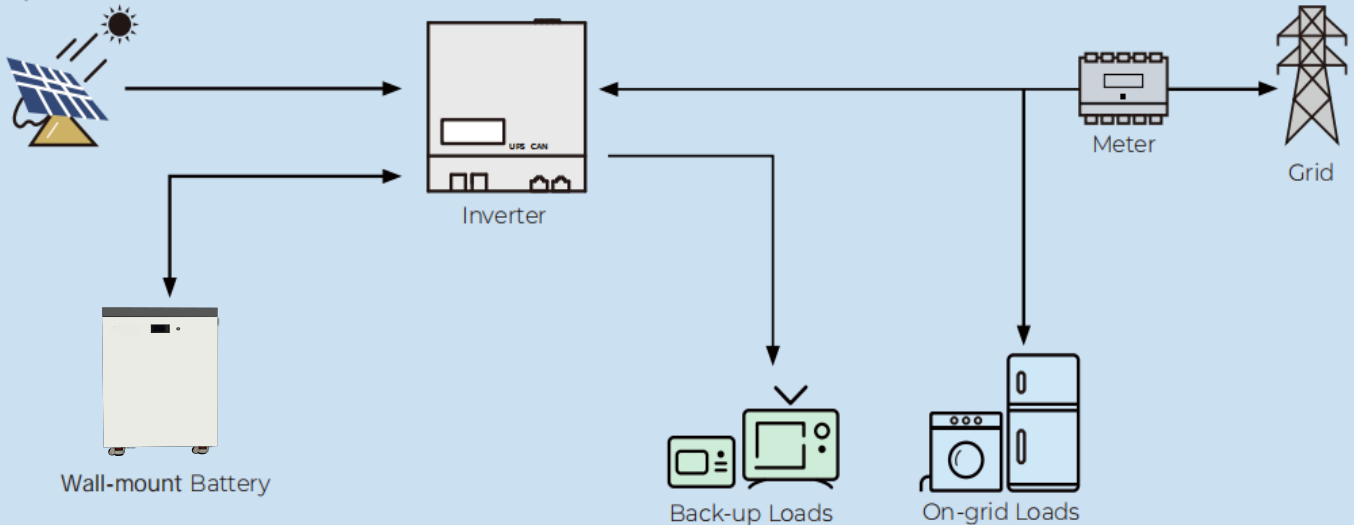


Local BMS operation log storage



High-quality A grade lithium battery cells

PV Array



SPECIFICATION(LV)

Model

UNIV-10kWh/LV(W)

Basic Parameters		
Total Energy	10kWh	
Usable Energy(DC)	9.88kWh	
Voltage Range	45-54.8Vd.c	
Nominal Voltage	48Vd.c	
Rated Capacity	206Ah	
Recommend Charge Cut-off Voltage	54.8	
Recommend Charge&Discharge Current	103A	
MAX. Charge & Discharge Current	220A@10sec	
Max output power	6kW	
Peak power(only discharging)	6.4kW for 3sec	
Dimension(mm)	530*208*700mm	
DOD	95%	
Weight	94kg	
Operating Temperature	Charge	-20°C-60°C, < 95% RH
	Discharge	-20°C-50°C, < 95% RH
Color	white	
Humidity	<60%(No condensed water)	
Over Voltage Category	II	
Cooling Type	Natural cooling	
Case Material	Metal	
Installation	Wall mounting/Ground Installation	
IP rating	IP 55	
Protective Class	I	
Max numbers of parallel connection	16P	
Warranty	10 years	
Life Span	6000 cycles, 25°C	
Communication	CAN/ RS485	
Protection Mode	Dual hardware protection	
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety	CE	
Hazardous Material Classification	9	
Operating Altitude	<2000m	
Transportation	UN38.3 MSDS	
Efficiency	>97%	
Operating Condition	Indoor	

*: The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider out of such temp. range will cause a derating on operation current.