

First Solid-State Lithium-ion Battery ESS

LFP 5000S HV

- Higher Safety Protection
- Faster Dis/Charging Speed
- High Inverter Compatibility
- Intelligent Built-in BMS
- 6pcs Connections in Series



FEATURES



8000
Cycle Life@25°C



Solid-State
LFP Battery Cells



53Ah
single battery



1C
Discharging Rate



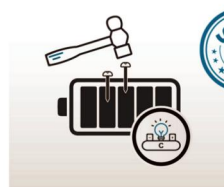
Increase 8%
Energy Density



The test of drill



The test of shear

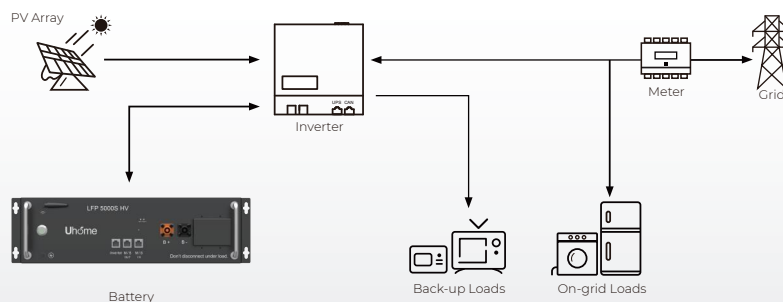


The test of acupuncture



The test of squeeze

APPLICATION




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Technical Specifications

	
Product Type	LFP5000S HV
Total Energy*	5.4kWh
Battery Capacity	53Ah
Max.recommended DOD	93%
Nominal Dis/Charge Power	5.0kW
Max Dis/Charge Power	6kW for 3S
Voltage	96-112Vd.c
Nominal Voltage	102.4Vd.c
Nominal Dis/charging Current	50A/50A
Max. Charge Voltage	112Vd.c
Weight(N.W.)	45kg(undertermind)
Dimension(mm)(L*W*H)	500*442*133mm
Operating Condition	Indoor&Outdoor(with shelter)
Charging Temperature(cell)	From 0~55 ℃
Disharging Temperature(cell)	From -20~55 ℃
WIFI Frequency Range	2400MHz~2483MHz
Humidity	<60%(No condensed water)
Over Voltage Category	II
Cooling Type	Natural cooling
Installation	Ground Installation
IP rating	IP20
Protective Class	I
Max. Connection Number	6S
Communication	CAN/ RS485
Protection Mode	Hardware&software protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Safety	Cell UL TUV
	CE/TUV
Hazardous Material Classification	9
Transportation	UN 38.3
Product Warranty	<p>10 years warranty</p> <p>All information contained in this document is subject to change without notice</p> <p>1)For better battery life cycles,we suggest charge in 30A(0.6C @25℃)</p> <p>2)For better battery life cycles,we suggest discharge in 30A(0.6C @25℃)</p> <p>3)Peak Current excludes repeated short duration (less than 100ms) of current pattern.</p>

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.