

# Solid-State

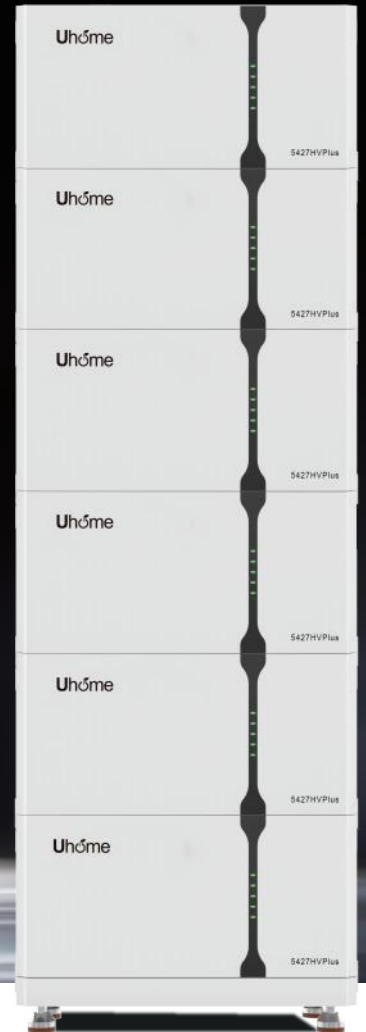
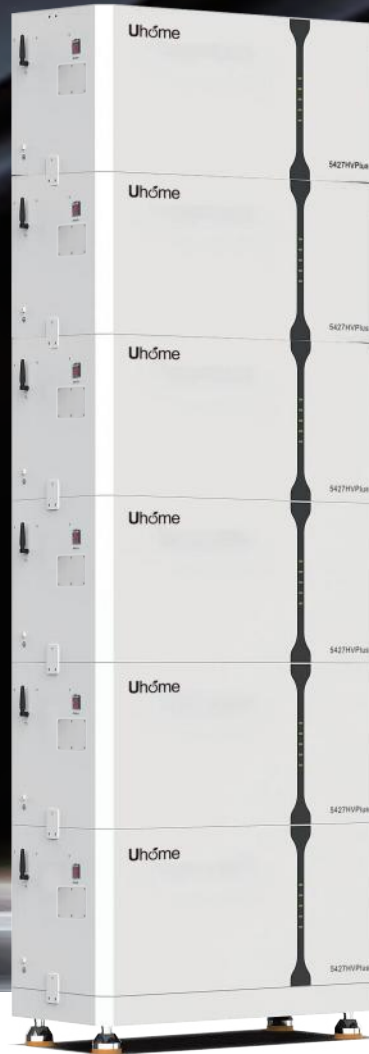
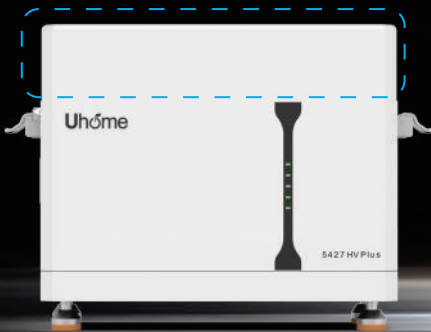
## Lithium-ion Battery ESS

# 5427 HVPlus

## Stackable High Voltage System

- Solid-state lithium-ion cells, higher safety performance and longer cycle life
- Stack-mounted design, expandable up to 6 units in series
- Multiple protection with built-in smart BMS, breaker and fuse
- Compatible with leading inverter brands
- Up to 10 years warranty
- Plug connection between battery modules

Cover (Optional) ▼



## FEATURES



**8000**  
Cycle Life@25°C



**Solid-State**  
lithium-ion 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

# Technical Specifications



Product Image						
Model	LFP 5427 HVPlus					
Battery Type	Solid state lithium Pouch					
Nominal Energy	5.42kWh	10.84kWh	16.26kWh	21.68kWh	27.10kWh	32.52kWh
Usable Energy*	5.04kWh	10.08kWh	15.12kWh	20.16kWh	25.20kWh	30.24kWh
Nominal Capacity	53Ah					
Nominal Voltage	102.4V	204.8V	307.2V	409.6V	512.5V	614.4V
Operating Voltage	96~112V	192~224V	288~336V	384~448V	480~560V	576~672V
Recommended Charge & Discharge Current	25A/25A					
Max Charge/Discharge Current	50A/50A					
Peak Discharge Current	60A(3S)					
Peak Discharge Power	6kW for 3S	12kW for 3S	18kW for 3S	24kW for 3S	30kW for 3S	36kW for 3S
Recommended Depth of Discharge (DOD)	93%					
Charging Temp. Range	From 0~55 °C					
Discharging Temp. Range	From -20~55 °C					
Cycle Life	≥8000@25 °C					
Scalability	6 Series					
WIFI Module	Uhome					
Communication	CAN/ RS485					
IP Rating	IP65					
Recommended Humidity	5%~95%(No condensed water)					
Cooling Type	Natural cooling					
Color	White(optional)					
Installation	Floor-mounting/Stack-mounting					
Net Weight	52±1kg	106±2kg	159±3kg	212±4kg	265±5kg	318±6kg
Dimension(W*H*D)(mm)	600*320*300	600*640*300	600*960*300	600*1280*300	600*1600*300	600*1920*300
Protection	Over-current/Over-voltage/Short circuit/Under-voltage/Over temperature					
Warranty	10 years*					
Certification	UN38.3/IEC 62619/UL1973/UL9540A(Cells)					

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

\*Total Energy/Usable Energy measured under specific conditions by Uhome 0.2C CC-CV and based on recommended DOD(93%);