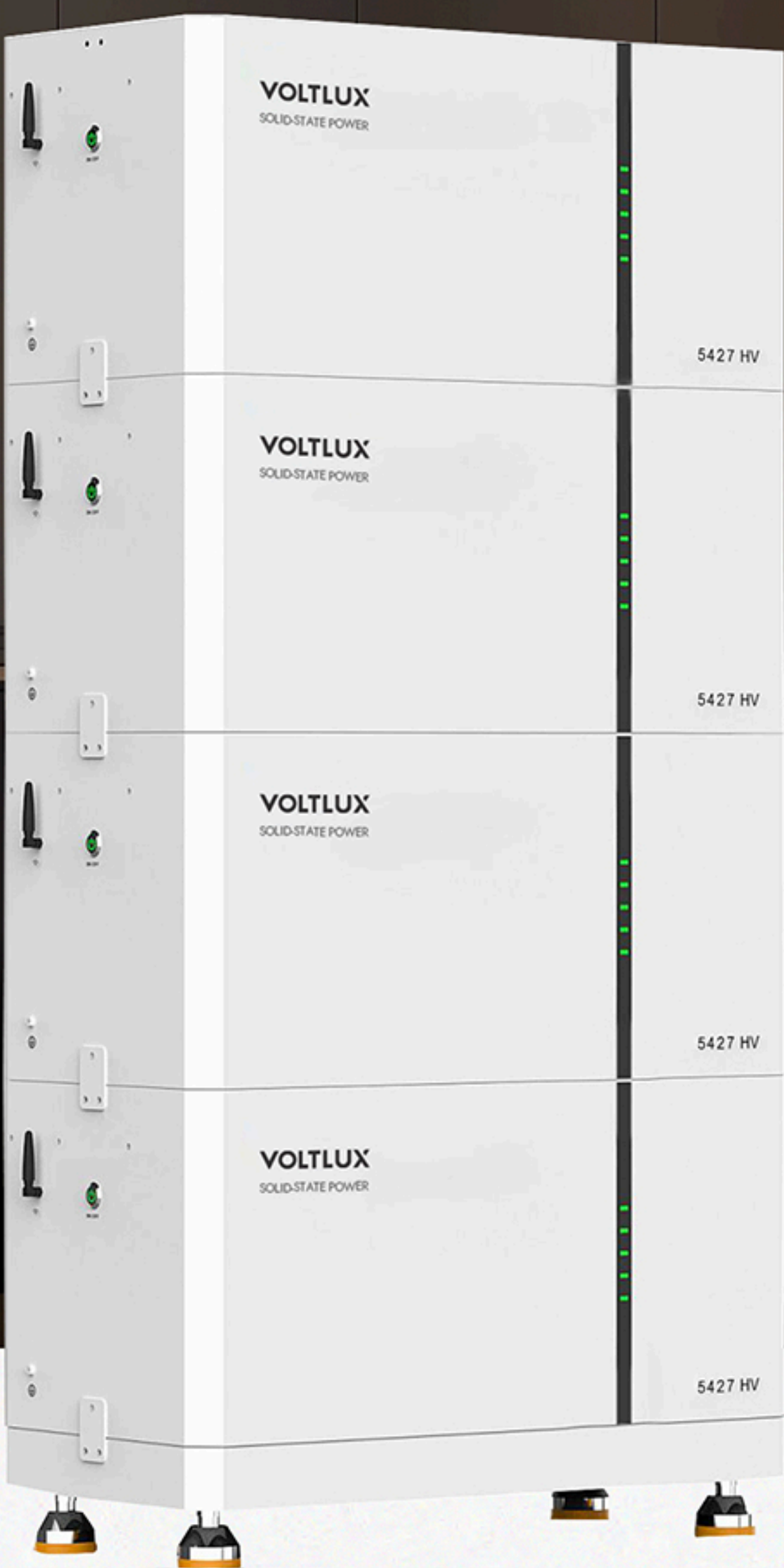


First Solid-State
Lithium-ion Battery ESS

5.4-32.4kWh Stackable

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



FEATURES



6000

Cycle Life@25°C



5427-32562Wh

Capacity



5427-32563W

Peak Power



No DIP Switch

Automatically Assign Module Address



Solid-State

LFP Battery Cells



0.6C

Discharging Rate



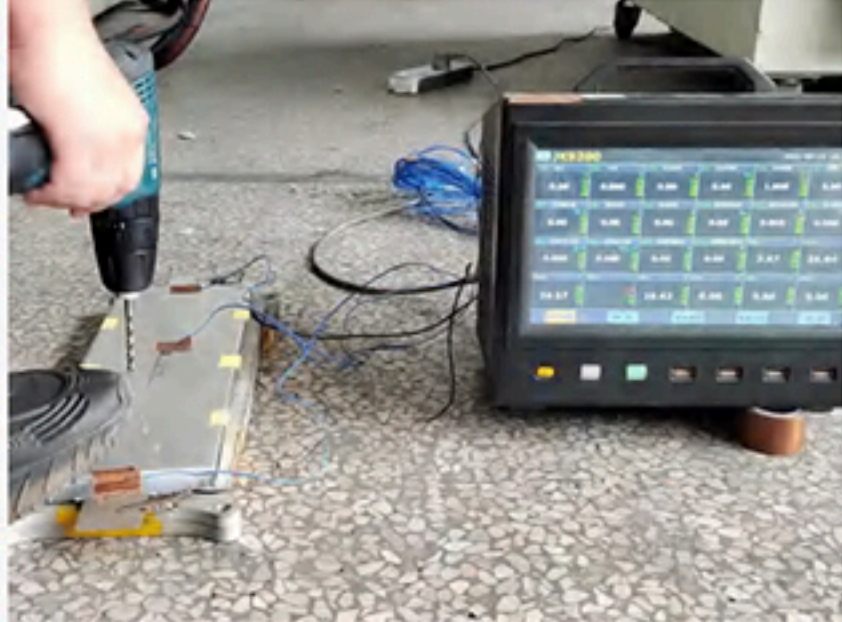
Increase 8%

Energy Density



93%

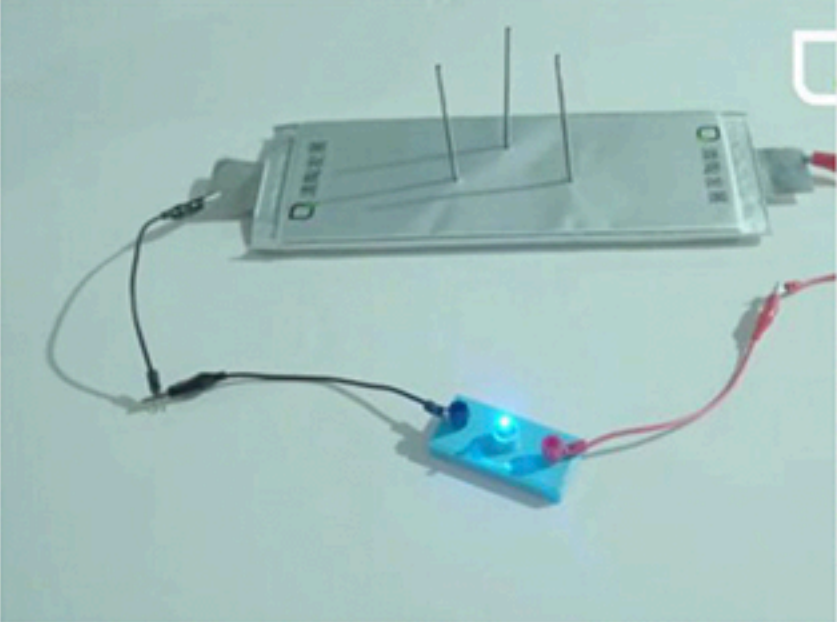
Max Recommended DOD (Capacity)



The test of drill



The test of shear



The test of acupuncture



The test of squeeze

Technical Specifications

						
Product Type		10.8kWh Stackable	16.2kWh Stackable	21.6kWh Stackable	27kWh Stackable	32.4kWh Stackable
Total Energy*		10.8kWh	16.2kWh	21.6kWh	27kWh	32.4kWh
Battery Capacity		53Ah				
Max Recommended DOD		93%				
Max Dis/Charge Power		4.4kW	6.6kW	9.9kW	13.2kW	16.5kW
Nominal Discharge Current		20A				
Voltage		179.2~227.2Vd.c	268.8~340.8Vd.c	358.4~454.4Vd.c	448.0~568.0Vd.c	537.6~681.6Vd.c
Nominal Voltage		204.8Vd.c	307.2Vd.c	409.6Vd.c	512.5Vd.c	614.4Vd.c
Nominal Charging Current		20A				
Max Charging Current		53A(60S)				
Max Discharging Current		53A(60S)				
Max Charge Voltage		224Vd.c	336Vd.c	448Vd.c	560Vd.c	672Vd.c
Weight(N.W.)		89.5kg	132kg	174.5kg	217kg	259.5kg
Dimension(mm)(L*W*H)		660*300*661mm	660*300*941.5mm	660*300*1222mm	660*300*1502.5mm	660*300*1783mm
Operating Condition		Indoor&Outdoor				
Operating Temperature	Charge	From 0~50℃				
	Discharge	From -10~55℃				
WIFI Frequency Range		2400MHz~2483MHz				
Humidity		<60%(No condensed water)				
Over Voltage Category		II				
Cooling Type		Natural cooling				
Installation		Ground Installation				
IP Rating		IP20 or IP55(Need extra cost)				
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		10 years warranty, 6000 cycles life All information contained in this document is subject to change without notice 1)For better battery life cycles,we suggest charge in 30A(0.6C @25℃) 2)For better battery life cycles,we suggest discharge in 30A(0.6C @25℃) 3)Peak Current excludes repeated short duration (less than 100ms) of current pattern.				

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

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