

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



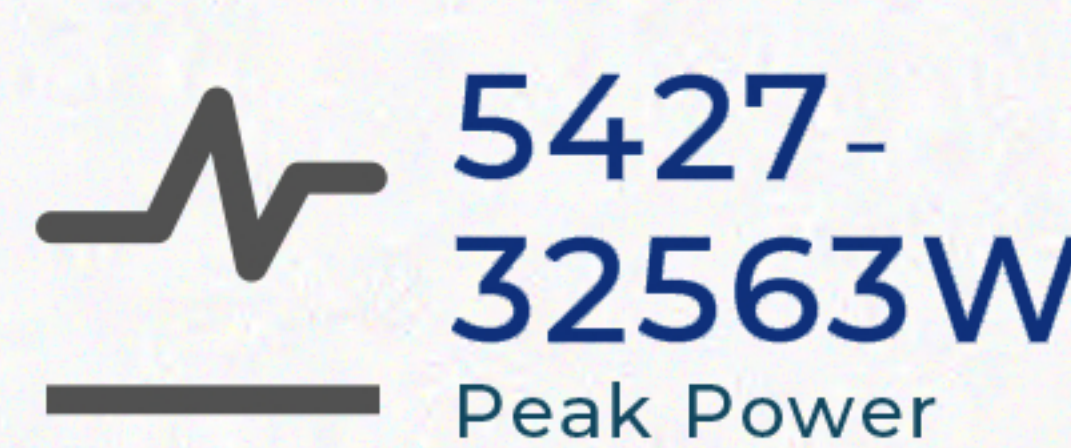
FEATURES



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



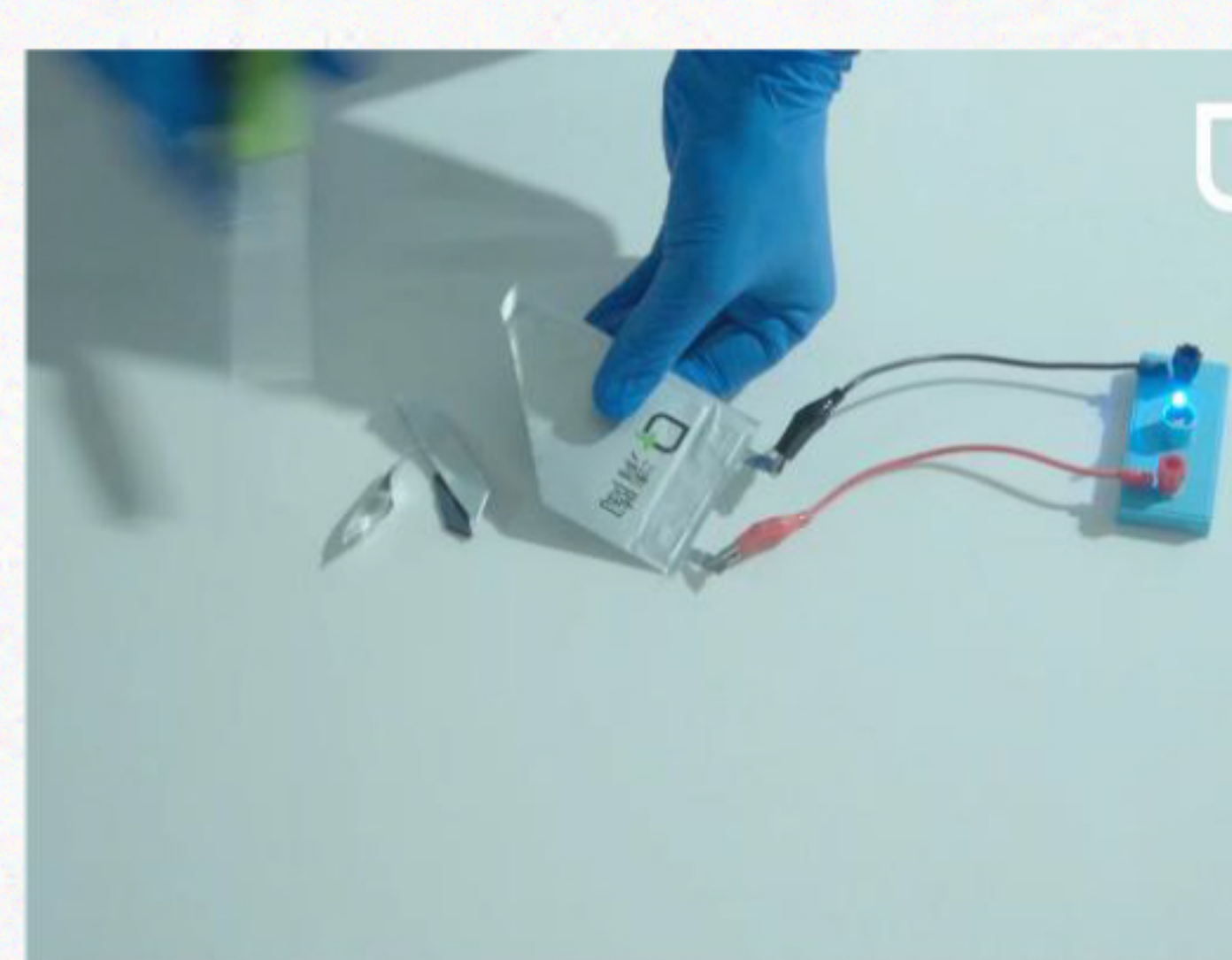
Increase 8%
Energy Density



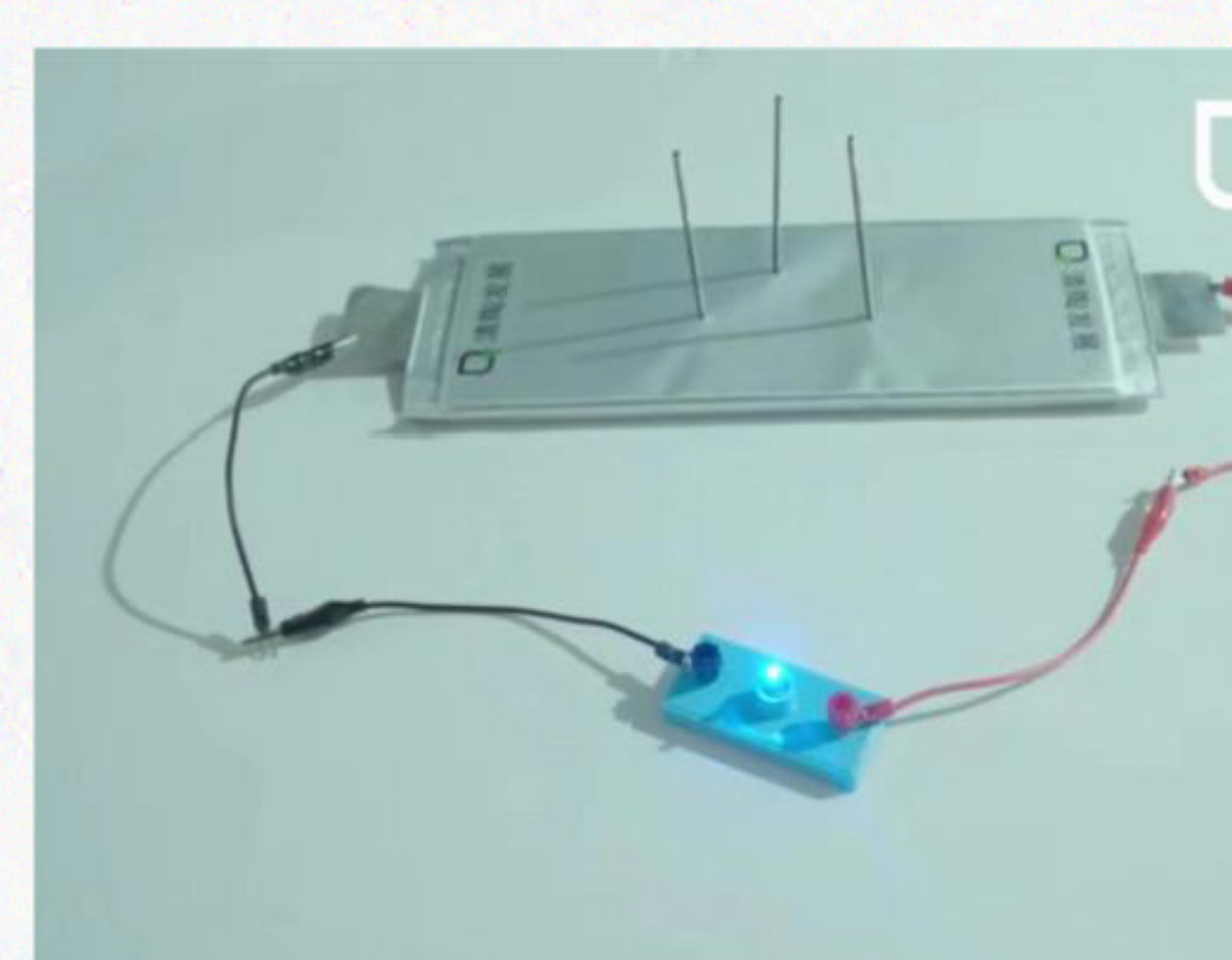
93%
Max Recommended DOD (Capacity)



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°C			
	Discharge	From -10~55°C			
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°C) 2)For better battery life cycles,we suggest discharge in 30A(0.6C @25°C) 3)Peak Current excludes repeated short duration (less than 100ms) of current pattern.				

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

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