









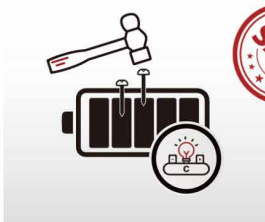
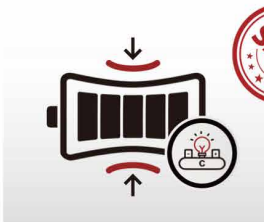
# First Solid-State Lithium-ion Battery ESS

## RT5427

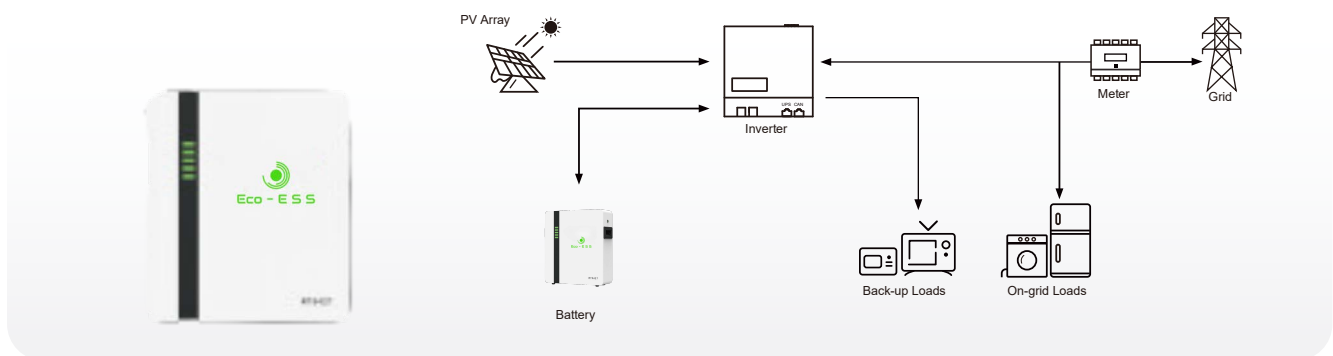
- Higher Safety Protection
- Faster Dis/Charging Speed
- High Inverter Compatibility
- Intelligent Built-in BMS
- 16pcs Connections in Parallel



## FEATURES

					
<b>6000</b> Cycle Life@25°C	<b>Solid-State</b> LFP Battery Cells	<b>5.43kWh</b> Capacity	<b>1.5C</b> Discharging Rate	<b>7680W</b> Peak Power	<b>Increase 8%</b> Energy Density
					
<b>The test of drill</b>	<b>The test of shear</b>	<b>The test of acupuncture</b>	<b>The test of squeeze</b>		

## APPLICATION



# Technical Specifications

Product Type	RT5427
Total Energy*	5.43kWh
Battery Capacity	53Ah+53Ah
Max.recommended DOD	93%
Max Charge Power	5.12kW
Max Discharge Power	7.68kW
Voltage	48~56Vd.c
Nominal Voltage	51.2Vd.c
Nominal Charging Current	80A
Nominal Discharging Current	100A
Max Charging Current	100A
Max Discharging Current	150A(6min.)
Max. Charge Voltage	55.6Vd.c
Weight( N.W.)	47kg
Dimension(mm)(L*W*H)	530*480*165mm
Operating Condition	Indoor
Ambient Temperature	-30~55 C
Humidity	5%~85%(No condensed water)
Over Voltage Category	II
Cooling Type	Natural cooling
Installation	Wall mounting/Ground Installation
IP rating	IP 20
Protective Class	I
Max. Connection Number	16P
Communication	CAN/ RS485
Protection Mode	Dual hardware protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Safety	Cell UL 1973
	CE/TUV
Hazardous Material Classification	9
Transportation	UN 38.3
Product Warranty	10 years warranty, 6000 cycles life

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

\*Total Energy/Usable Energy measured under specific conditions from RAYSTECH 0.5C CC-CV.