



INTEGRA

- Working for your comfort -

OFFICIAL AGENT - DISTRIBUTOR - AFTER SALES SERVICE
FOR ITALIAN MARKET

RAYSTECH

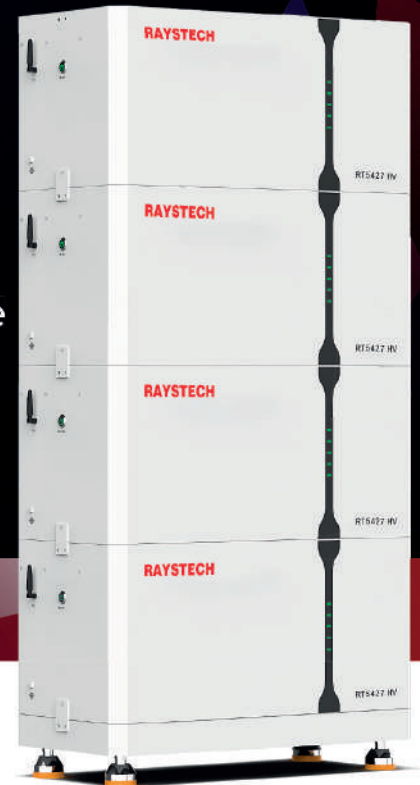
Your Trusted Solar Partner

FIRST SOLID-STATE
LITHIUM-ION BATTERIES ESS

First Solid-State Lithium-ion Battery ESS

LFP 5.4-32.4KWh Stackable

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



FEATURES



6000
Cycle Life@25°C



Solid-State
LFP Battery Cells



53Ah
single battery



0.6C
Discharging Rate



Increase 8%
Energy Density



The test of drill



The test of shear

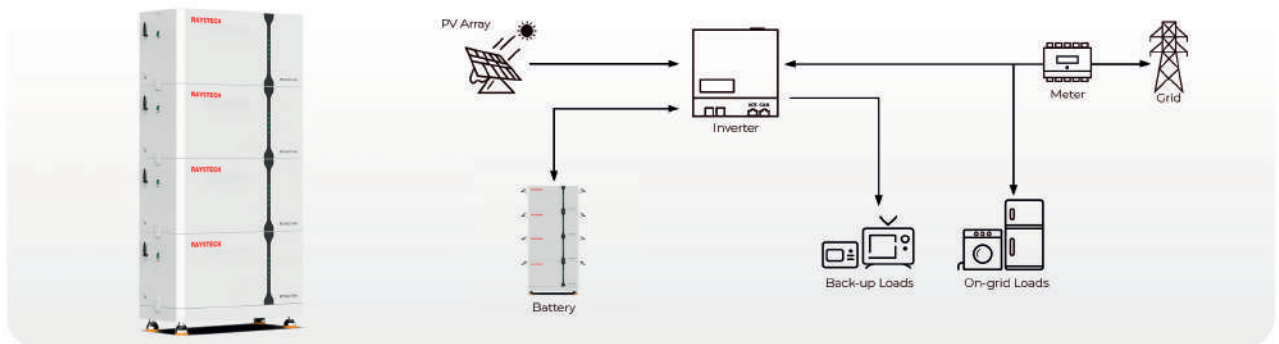


The test of acupuncture



The test of squeeze

APPLICATION



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Technical Specifications

RAYSTECH

					
Product Type	LFP 10.8Kwh Stackable	LFP 16.2Kwh Stackable	LFP 21.6Kwh Stackable	LFP 27Kwh Stackable	LFP 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	6Kw	9Kw	12Kw	15Kw	18Kw
Nominal Current(Only Discharge)	30A				
Voltage	192~224V	288~336V	384~448V	480~560V	576~672V
Nominal Voltage	204.8V	307.2V	409.6V	512.5V	614.4V
Nominal Dis/charging Current	30A				
Max Charging Current	30A				
Max Discharging Current	30A(continuous)				
Max. Charge Voltage	111.2V	166.8V	222.4V	278V	333.6V
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 RAYSTECH 0.6C CC-CV.



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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

					
6000 Cycle Life@25°C	Solid-State LFP Battery Cells	5.43Kwh Capacity	1.5C Discharging Rate	7680W Peak Power	Increase 8% Energy Density



The test of drill



The test of shear

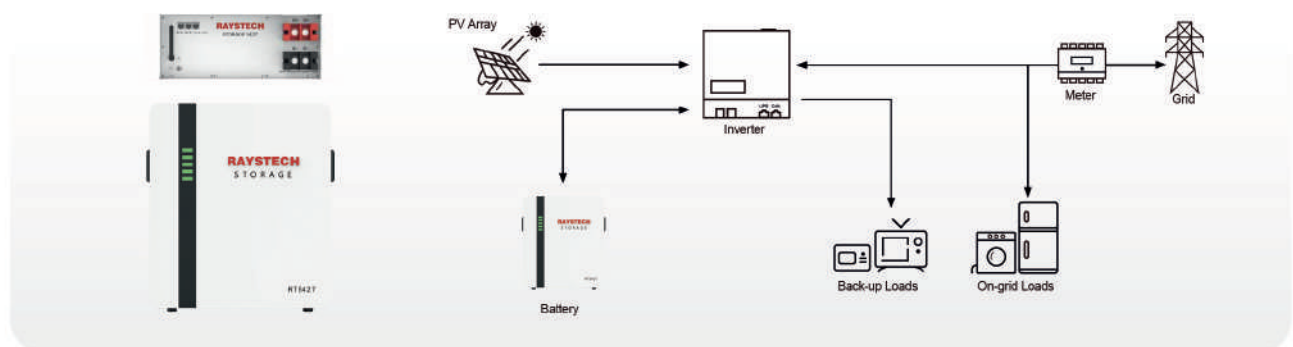


The test of acupuncture



The test of squeeze

APPLICATION



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Technical Specifications

Product Type		RT5427
Total Energy*		5.43Kwh
Battery Capacity		53Ah+53Ah
Max.recommended DOD		93%
Max Charge Power		5.12Kw
Max Discharge Power		7.68Kw
Voltage		48~56V
Nominal Voltage		51.2V
Nominal Charging Current		80A
Nominal Discharging Current		100A
Max Charging Current		100A
Max Discharging Current		150A(6min.)
Max. Charge Voltage		55.6V
Weight(N.W.)		46kg
Dimension(mm)(L*W*H)		530*480*165mm
Operating Condition		Indoor
Operating Temperature	Charge	From 0~50 °C
	Discharge	From -10~55 °C
Humidity		< 60%(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.



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First Solid-State Lithium-ion Battery ESS

RT10854

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



FEATURES



6000
Cycle Life@25°C



Solid-State
LFP Battery Cells



10.9Kwh
Capacity



0.75C
Discharging Rate



10200W
Peak Power



Increase 8%
Energy Density



The test of drill



The test of shear

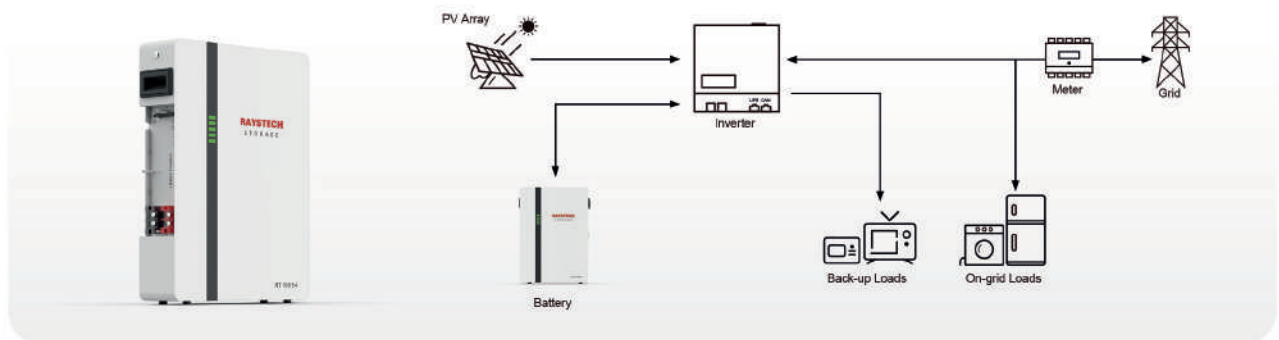


The test of acupuncture



The test of squeeze

APPLICATION



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Technical Specifications

Product Type		RT10854
Total Energy*		10.85Kwh
Battery Capacity		106Ah+106Ah
Max.recommended DOD		93%
Max Charge Power		6.14Kw
Max Discharge Power		7.68Kw
Voltage		48~56V
Nominal Voltage		51.2V
Nominal Charging Current		80A
Nominal Discharging Current		120A
Max Charging Current		120A
Max Discharging Current		150A(6min.)
Max. Charge Voltage		55.6V
Weight(N.W.)		94kg
Dimension(mm)(L*W*H)		800*580*165mm
Operating Condition		Indoor
Operating Temperature	Charge	From 0~50 °C
	Discharge	From -10~55 °C
Humidity		<60%(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
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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.

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