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# RelyEZ VenturePro Series

250kWh

All-in-one Liquid-Cooled Energy Storage



## Product Introduction

VenturePro 250 is an all-in-one energy storage solution designed to cover the needs of most industrial and commercial users.

## System Components

The 250 kWh solution comes with the factory-assembled battery rack, high voltage box, integrated BMS, auxiliary power supply, liquid-cooling system, fire protection system and PCS.

## Battery Rack and Modules

VenturePro 250 is composed of a single rack which contains 5 modules, each delivering over 52 kWh. RelyEZ's module is made up of 52 LFP prismatic cells, each delivering up to 314Ah.



## High Integration

Modular, easy to expand, supports multiple AC side parallel connections.



## High Performance

All-in-one solution featuring liquid-cooling system, achieving up to 90% system efficiency.



## High Safety

VenturePro features high safety and high integration, incorporating a selection of LFP cells with high thermal stability and a proactive fire prevention strategy utilizing an independent fire protection system.

Category	Item	Specification	
		IEC Standard	UL Standard
Regulatory Standards	PCS Cabinet	IP65	
	Battery Pack	IP65	
	PCS	IEC/EN 62477-1, EN IEC 61000-6-2, EN IEC 61000-6-4, EN50549-1	UL1741, CSA C22.2 No. 107.1-16, CLASS - C531109, CLASS - C531189, CSA C22.2 No. 107.1-16, IEEE 1547.1-2020, IEEE 1547-2018, IEEE 1547a- 2020
	Battery Cell	IEC62619	UL1973, UL9540A
	Battery Pack	IEC60730-1, UN38.3	UL9540A, UL1973, UL60730-1, UN38.3
	System	EN 62477-1 EN IEC 61000-6-2/4 UN38.3, UN3480	UL9540, UL9540A, FCC part 15B, UN38.3, UN3480
DC Parameters	Configuration	5 x 1P52S	
	Nominal Capacity	250 kWh	
	Nominal Voltage	832 Vdc	
	Voltage Range	728 ~ 936 Vdc	
	Cycle Life	≥8000 cycles	
	Round Trip Efficiency	90%	
AC Parameters	Rated Power	125 kW	
	Rated AC Voltage	400 Vac	480 Vac
	Rated Current	180 A	150 A
	Output Voltage Range	-15% ~ +10%	-10% ~ +5%
	Rated Frequency	50/60 Hz	60 Hz
	Allowable Frequency Deviation	±5 Hz	±3 Hz
	Charge And Discharge Conversion Time	< 20 ms	
	Current Distortion Rate	< 3% (rated working condition)	
	DC Component	< 0.5%	
	AC Voltage Harmonics	< 3% (linear load)	
	Max. AC Efficiency	90% (without aux. consumption)	
	Basic Parameters	Operating Ambient Temperature	-30°C ~ +55°C
Operating Ambient Humidity		0 - 95%	
Storage Temperature		-30°C ~ +55°C	-30°C ~ +55°C
Application Altitude		≤2000 m	
Noise Emission		≤75 dB (1 m)	
Dimensions (W x D x H)		53.15" x 55.12" x 88.58"(92.13")/1350 x 1400 x 2250(2340)mm	
Weight		≤ 3500 kg	
IP Rating		IP54	
Protocol		CAN / Modbus-TCP/RTU	
Fire Fightinging		Aerosol	
Cooling Method		Liquid-Cooling	
Warranty	Standard	5 years (included)	
	Extended Warranty	5 / 10 years	