

RelyEZ VenturePro Fusion

Liquid-Cooled Modular Battery Cabinet System



Product Introduction

VenturePro Fusion is an intelligent, modular, and flexibly configurable product, consisting of one control cabinet and 1 to 8 VenturePro battery cabinets. A single system can meet the electricity demand ranging from 0.261MWh to 3.344MWh.

VenturePro Fusion integrates high-performance long-life liquid-cooled modules, an excellent BMS control system, an intelligent liquid-cooled temperature control system, and an intelligent active fire protection system. It is suitable for applications such as photovoltaic energy storage integration, wind energy storage integration, and microgrids.



Extensible

The control cabinet and battery cabinets retain expansion interfaces, allowing for flexible extension and alteration of the system's electricity capacity.



Easy to install

More quick-plug designs reduce the need for on-site assembly.



High efficiency

Utilizing high-performance, long-life lithium iron phosphate batteries, the DC efficiency can reach up to 93%.



High safety

Dual hardware and software protection in the main circuit, combined with independent battery cabinets and an active fire protection system, ensure safe usage.

Battery Cabinet Specifications

Category	Item	Specification			
		YXYK-552314-E	YXYK-652314-E	YXYK-752314-E	YXYK-852314-E
Battery Parameters	Configuration	1P260S	1P312S	1P364S	1P416S
	Nominal Capacity	261.248 kWh	313.498 kWh	365.747 kWh	417.997 kWh
	Nominal Voltage	DC 832 V	DC 998.4 V	DC 1164.8 V	DC 1331.2 V
	Voltage Range	DC 728~936 V	DC 873.6~1123.2 V	DC 1019.2~1310.4 V	DC 1164.8~1497.6 V
	Round Trip Efficiency	MAX 93%			
System Parameters	Rated Charging and Discharging Current	157 A			
	Maximum Charging and Discharging Current	179.4 A			
	Rated Charging and Discharging Power	130.642 kW	156.749 kW	182.874 kW	208.998 kW
	Auxiliary Power Supply Voltage	AC 220 V, 50 Hz / 60 Hz			
	Auxiliary Power Supply Power	MAX 3.7 kW			
Basic Paramaters	Operating Ambient Temperature	-30°C to 55°C (-22°F to 131°F)			
	Storage Ambient Temperature	-30°C to 55°C (-22°F to 131°F)			
	Dimensions (L x W x H)	1350 x 1310 x 2434 mm (53.15 x 51.57 x 95.83 in)			
	Weight	About 3.0 T (6613.86 lb)	About 3.3 T (7273.446 lb)	About 3.6 T (7936.632 lb)	About 3.9 T (8598.018 lb)
	IP Rating	IP 54			
	Fire Fightinging	Aerosol			
	Cooling Method	Liquid-Cooling			
	Application Altitude	≤2000 m/<3000 m (available, derate) ≤6562 ft/<9843 ft (available, derate)			
Certification Status	Battery Cabinet/Cluster	UL9540, UL9540A, UL1973, IEC 62619, IEC 63056, IEC 62477-1, UN38.3, UN3480			
	Battery System	UL9540, FCC part 15B, IEC 62477-1, EN/IEC 61000-6-2/4			

Control Cabinet Specifications

Category	Item	Specification
System Parameters	Voltage Range	DC 728~1497.6 V
	Maximum Current	1435.43 A
	Maximum Power	1671.984 kW
	Auxiliary Power Supply Voltage	AC 480 V(UL)/AC 400 V(IEC), 50 Hz / 60 Hz
	Auxiliary Power Supply Power	MAX 30 kW
Basic Paramaters	Operating Ambient Temperature	-30°C to 55°C (-22°F to 131°F)
	Storage Ambient Temperature	-30°C to 55°C (-22°F to 131°F)
	Dimensions (L x W x H)	1350 x 900 x 2414 mm (53.15 x 35.43 x 95.08 in)
	Weight	About 0.9 T (1984.158 lb)
	IP Rating	IP 54
	Application Altitude	≤2000 m/<3000 m(available, derate) ≤6562 ft/<9843 ft(available, derate)
Certification Status	System	IEC 62619, IEC 63056, IEC/EN 62477-1, EN 61000-6-4, UN 38.3, UN 3480

Liquid-Cooled Modular Battery Cabinet Unit Integration

The integration of liquid-cooled modular battery cabinet units allows for parallel combinations of 1 to 8 units.

