

RelyEZ VenturePro Fusion Liquid-Cooled Modular Battery System

YXYK-552314-E | XYK-652314-E | XYK-752314-E | XYK-852314-E

■ SYSTEM INTRODUCTION

VenturePro Fusion is an intelligent, modular and flexibly configured product consisting of 1 control cabinet and 1 to 8 VenturePro battery cabinets, with a single system meeting energy demands from 0.261 MWh to 3.344 MWh.

VenturePro Fusion integrates liquid-cooled modules, a new-generation BMS control system, an intelligent liquid-cooled temperature control system and an active fire protection system, suitable for applications such as PV-storage integration, wind-storage integration and microgrids.



Dual Protection System

Dual hardware and software protection for the main circuit, coupled with independent battery cabinets and an active fire protection system to ensure operational safety.

Easy and Fast Installation

Adopts a standardized quick-connect interface design to simplify on-site installation procedures.

Flexible Expansion Solution

Expansion ports are reserved on control cabinets and battery cabinets to support parallel expansion of multiple cabinets, enabling flexible system capacity configuration based on project requirements.

■ LIQUID-COOLED MODULAR BATTERY RACK INTEGRATION

Liquid-cooled modular battery cabinet units support parallel combination of 1 to 8 units



■ PRODUCT SPECIFICATIONS

Item	YXYK-552314-E	YXYK-652314-E	YXYK-752314-E	YXYK-852314-E
Battery Parameters				
Configuration	1P260S	1P312S	1P364S	1P416S
Nominal Energy	261 kWh	313 kWh	365 kWh	418 kWh
Nominal Voltage	DC 832 V	DC 998.4 V	DC 1164.8 V	DC 1331.2 V
Voltage Range	DC 728 to 936 V	DC 873.6 to 1123.2 V	DC 1019.2 to 1310.4 V	DC 1164.8 to 1497.6 V
System Parameters				
Rated Charge/Discharge Current	157 A			
Max Charge/Discharge Current	179.4 A			
Rated Charge/Discharge Power	130.6 kW	156.7 kW	182.8 kW	208.9 kW
Auxiliary Power Voltage	AC 220V, 50Hz / 60 Hz			
Basic Parameters				
Operating Temperature	-30 to 55 °C			
Storage Temperature	-30 to 55 °C			
Dimensions (LxWxH)	1350x1310x2434 (mm)			
Weight	≤2.68 t	≤3.0 t	≤3.33 t	≤3.65 t
IP Rating	IP54			
Fire Protection Medium	Aerosol			
Cooling Method	Liquid Cooling			
Application Altitude	≤2000 m / <3000 m (Optional, Derated)			
Acoustic Noise	<79 dB (1m)			
Certifications				
Battery Cabinet/Cluster	UL 60730-1, UL9540, UL1973, UL9540A, IEC 62619, IEC 60730-1, IEC 63056, IEC 62477-1, UN 38.3, UN 3480			
Battery System	UL9540, FCC Part 15B, IEC 62477-1, IEC 61000-6-2/4, IEC 62933			

■ CONTROL CABINET PARAMETERS

Item	Specification
System Parameters	
Voltage Range	DC 728 to 1497.6 V
Max Current	1435.43 A
Max Power	1671.984 kW
Auxiliary Power Consumption	AC 480V (UL) / AC 400V (IEC) , 50Hz / 60Hz
Operating Temperature	-30 to 55 °C
Storage Temperature	-30 to 55 °C
Dimensions (LxWxH)	1350x900x2414(mm)
Weight	EU Version ≤0.75 t, US Version ≤1.0 t
IP Rating	IP54
Application Altitude	≤2000 m / <3000 m (Optional, Derated)

This document is regularly updated for accuracy and improvement. Please verify you are using the latest version. Illustrations are for reference only.



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