

RelyEZ VenturePro

Air-Cooled Commercial and Industrial Integrated Cabinet

VenturePro 112

■ SYSTEM INTRODUCTION

Adopts non-walk-in containers, and the modular design improves space utilization inside the cabinet. The advanced air-cooling circulation concept, intelligent temperature control architecture, smart fire protection and pressure relief system, as well as intelligent energy management and dispatch system enable effective thermal management for the air-cooled energy storage system, ensure safe operation and monitor cell status in real time.



Modular Design

Allows easy scalable expansion, with native PV & diesel generator input support. AC-side parallel connection of up to 10 units delivers total 1.12 MWh energy storage capacity.



Air-Cooled Topology for Optimal Efficiency

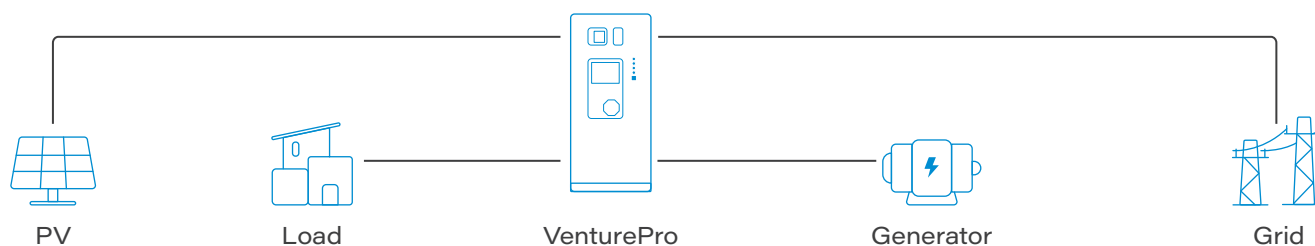
Air cooling configuration delivers high DC-DC conversion efficiency, peaking at 97.8%



Precise Single-Cluster Control for Safety and Longevity

Precise single-cluster design avoids DC parallel to restrict short-circuit current. Cabinets feature electrical & fire isolation, with cell temperature spread $\leq 6^{\circ}\text{C}$ for enhanced safety and longer cycle life.

■ APPLICATION SCENARIOS OF AIR-COOLED INDUSTRIAL AND COMMERCIAL INTEGRATED CABINETS



■ PRODUCT SPECIFICATIONS

Item	VenturePro 112
Battery Parameters	
Nominal Energy	112 kWh
Max Current	179.4 A
Rated Charge/Discharge Rate	0.5 P
Battery Voltage Range	DC 313.6~403.2 V
AC Side Parameters	
Rated AC Power	50 kW
Rated AC Voltage	400 V $\pm$ 15%
Rated Frequency	50/60 Hz $\pm$ 5 Hz
Rated Current	76 A
PV Parameters	
Max PV Power	96 kW
Rated Input Voltage	600 Vd.c.
Start-Up Voltage	180 Vd.c.
Max Input Current	40A / 40A / 40A / 40A
Number of MPPTs / Max String Paths	4 / 8
Max Input Power per MPPT	24 kW
Basic Parameters	
Product Dimensions (LxWxH)	990x1300x2230(mm)
Weight	Approximately 1.8 t
Max Allowable Altitude	$\leq$ 2000 m / $<$ 3000 m (optional, derated)
Operating Temperature	-25 $^{\circ}$ C ~ 55 $^{\circ}$ C
System Cycle Life	$\geq$ 8000 cycles
IP Rating	Enclosure IP54
Cooling Method	Air Cooling

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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