

DeepCore Ultra Immersion Liquid-Cooled Commercial and Industrial Integrated Cabinet

DeepCore Ultra 265

■ SYSTEM INTRODUCTION

VenturePro 265 is an all-in-one energy storage unit from RelyEZ Energy Storage for commercial and industrial scenarios. It adopts immersion liquid-cooling technology with battery cells submerged in coolant, integrating intelligent control and power conversion technologies to deliver stable and long-lasting energy storage performance for users.



Immersion Liquid-Cooled Safety System

Battery cells are immersed in hydrocarbon-based immersion fluid to isolate oxygen, suppress combustion chain reactions, and reduce fire and explosion risks.

Intelligent Controlled Energy Storage System

Centralized cooling technology paired with AI control algorithms enables intelligent system regulation. PCS adopts three-level topology with a system efficiency of 98%, about 1% higher than that of two-level topology.

Cluster-Isolated Energy Storage System

Independent control for each cluster with no parallel connection on the DC side, limiting short-circuit current. Independent energy storage cabinets realize electrical and fire protection isolation design. Cell temperature difference $\leq 2.5^{\circ}\text{C}$, helping optimize system operation.

■ PRODUCT SPECIFICATIONS

Item	DeepCore Ultra 265
Battery Parameters	
Nominal Energy	265 kWh
Configuration	1P264S
Rated Charge/Discharge Rate	0.5P
Battery Voltage Range	DC 686.4 to 963.6 V
AC Side Parameters	
Rated Power	132 kW
Rated Voltage	400 V
Voltage Range	340 to 460 V
Total Current Harmonic Distortion	≤ 3%
Voltage Ripple Factor	≤ 1%
Power Factor	0.99/ - 1~1
Basic Parameters	
Product Dimensions (LxWxH)	1370x1400x2378 (mm)
Weight	Approximately 3.3 t
IP Rating	IP55
Cooling Method	Immersion Liquid Cooling for Battery Modules, Air Cooling for PCS
Noise	≤ 65 dB (A)
Auxiliary Power	Built-in Power Supply
Max System Efficiency	90.5%
Operating Humidity Range	0~100%
Operating Temperature Range	-30 °C to 55 °C
Max Allowable Altitude	≤ 3000 m / < 4000 m (Optional, Derated)
Fire Protection	Aerosol, Smoke Detector, Audible and Visual Alarm, Flammable Gas Detector, Exhaust Fan, Optional (Pressure Relief Device, Water-Based Fire Protection)
Communication Method	Ethernet
Communication Standard	Modbus TCP

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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