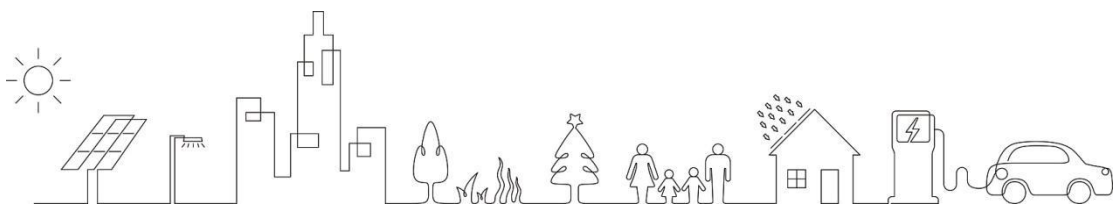


# Tensorpack A Energy Storage System Specification

R1.0



# 1 Product Introduction

## 1.1 Background

With the global energy transformation, energy storage technology has become a key link to ensure the stability of the power grid. Tensorpack A commercial and industrial ESS (Energy Storage System) provides efficient and reliable energy storage solutions for modern power grids and energy systems.

## 1.2 Scope of Use

The Tensorpack A ESS is composed of a battery system and an AC control system. This document aims to describe in detail specifications of the Tensorpack A ESS , providing clear guidance and reference for engineers, users, and other relevant personnel.

## 1.3 Features

- **High Integration**

The unified all-in-one design occupies only an area of 1.6 m<sup>2</sup>, offering a 25% reduction in spatial requirements.

- **Safety and Reliability**

A nine-layer safety protection mechanism is implemented across all levels (cell, pack, cluster, system) and backed by corresponding certifications.

- **Smart O&M**

The Risen Cloud platform provides real-time alarms and troubleshooting solutions.

## 2 System Specification

### Tensorpack A Energy Storage System

Model Type	Tensorpack A
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### System Information

Rated AC Power	130kW
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Rated Capacity	261kWh
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### Battery Information

Cell Type	LFP
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Cell Capacity	314Ah
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Configuration	260S1P
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Rated Voltage	832V
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Voltage Range	728~949V
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Charge and Discharge Rate	0.5C
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Depth of Discharge (DoD)	98%
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### PCS

AC Power	135kW
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Operation Mode	On-grid & Off-grid
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Rated Grid/Islanded Voltage	480Vac
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Power Factor	1.0 leading~1.0 lagging
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Rated Grid Frequency	60Hz
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Connection Type	3P4W
<b>Operating Environment</b>	
Protection Degree	IP55
Noise	75dB
Operating Temperature Range	-30°C~55°C (>45°C Derating)
Relative Humidity	0~95%
Max. Operating Altitude	4000m ( > 2000m Derating)
Anti-Corrosion Degree	C3 (C5 is Optional)
<b>Specifications</b>	
Dimension (W*H*D)	1050*2450*1500mm
Weight	2.75t
Battery Cooling Type	Intelligent Liquid Cooling
PCS Cooling Type	Forced Air Cooling
Fire Suppression System	Aerosol, Exhaust Fan,
	Explosion Relief Panel,
	Water-based Fire Protection
Communication Protocol	CAN/RS485/Ethernet
Certifications	UL1973, UL9540A, UL9540,
	NFPA68, NFPA69, UN38.3