

RelyEZ GridUltra Air-Cooled Energy Storage System

Gridultra 2058

■ PRODUCT 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 Container System

Uses customized non-walk-in containers with a modular design, high integration, supporting fast delivery, quick installation, and maintenance.



Smart Air-Cooled Safety Compartment

The battery cabinet features IP54 protection rating, intelligent fire protection system with multi-point monitoring and early warning, and fire extinguishing function. Independent air-cooling strategy dynamically controls the ambient temperature inside the cabinet.



Long-Life Air-Cooled Battery System

Cycle life ≥ 8000 cycles, with a design life of approximately 15 years. Ensures stable operation.



Energy Storage System

The cabinet consists of 8 battery clusters, 1 core control panel, 1 isolated PCS, 1 busbar system, 1 fire protection system and 1 temperature control system.



Battery Cluster

Each battery cluster is composed of 16 battery modules and 1 high-voltage control box connected in series.



Battery Module

Each battery module is assembled with 16 lithium iron phosphate cells in 1P16S configuration. Modular design facilitates handling, installation and maintenance.

■ PRODUCT SPECIFICATIONS

Item	GridUltra 2058
Battery Parameters	
Configuration	8P256S
Nominal Energy	2058 kWh
Nominal Voltage	DC 819.2 V
Voltage Range	DC 716.8 to 921.6 V
System Parameters (0.25P)	
Rated Output Power	500 kW
Max Output Power	500 kW
Max Output Current	794 A
Rated Voltage	400 V
Voltage Range	-20%~15%
Rated Frequency	50/60Hz ± 5Hz
THDI	<3% (Rated Power)
Operating Temperature	-30 to 50°C
Storage Temperature	-20 to 45°C
Application Altitude	≤2000 m/ <3000 m (Optional, Derated)
Basic Parameters	
Product Dimensions (LxWxH)	6058x2438x2896 (mm)
Weight	Approximately 23 t
IP Rating	IP54
Cooling Method	Air Cooling
Certifications/Reports	IEC 62619、IEC 63056、IEC 62477-1、 IEC 61000-6-2/4、UN 38.3、UN 3536

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



RelyEZ Energy Storage Technology Co., Ltd.

A3802, 3803, 3804 Building 11A, Shenzhen Bay Science and Technology Ecological Park, No. 16 Keji South Road, Nanshan District, Shenzhen, Guangdong, China

✉ relyez@relyez.com

🌐 www.relyez.com