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Energy Storage System - Battery Compartment

Product Introduction

The battery compartment, equipped with A-grade batteries, is perfectly suited for energy storage needs in photovoltaic and wind power projects, ranging from 1MW/2MWh to 2.5MW/5MWh. It also supports scenarios with a discharge rate of 1C. It features state awareness and fault prediction, and incorporates multiple edge computing capabilities to enhance protection levels. It can be used in conjunction with the Boost Converter and Inverter integrated unit.



Product Features

- Long life, up to 8000 + system cycles
- Space saving, energy density per unit area increased by $\geq 30\%$
- Liquid-cooled system, system-level SOC difference $< 3\%$

Product Parameters

Model	CEGS-W-3000kWh-1331V	CEGS-W-4000kWh-1331V	CEGS-W-5000kWh-1331V
Battery			
Battery Type	LiFePO ₄		
Cell Specification	3.2V/280Ah		
Rated Capacity	2982.4kWh	4100kWh	5219.2kWh
Rated Voltage	DC1331.2V		
Voltage Range	DC 1164.8V ~1497.6V		
Pack Type	1P52S		
Number of Clusters	8S8P	8S11P	8S14P
Number of cycles	8000@ (25°C)		
Cooling	Liquid-cooled		
Available Capacity	95%		
Fire Fighting System	Thermal Aerosol		
General data			
Ingress Protection	IP55		
Dimension	20 feet	30 feet	40 feet
Weight	Approx. 32 tons	Approx. 42 tons	Approx. 52 tons

Order Information

Model	Basic Configuration	Lead Time
CEGS-W-3000kWh-1331V	3000kWh	60days
CEGS-W-4000kWh-1331V	4000kWh	60days
CEGS-W-5000kWh-1331V	5000kWh	60days
Other power specifications can be customized		