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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 1164.8~1497.6V | | |
| 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 | 20feet | 30 feet | 40 feet |
| Weight | Approx. 32 tons | Approx. 42 tons | Approx. 52 tons |

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| 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 | | |