GESS
UNIT ENERGY STORAGE

PRODUCT INTRODUCTION

This product is representative of highly modularized and standardized ACE products, according to 3S(Safe/Strong/Smart) energy storage concept and Car specification level quality requirements; power shifting, combined new energy power generation, dynamic capacity-increasing and demand management, distributed generation, emergency power backup, and other functions, also support the electric vehicle fast charging demand.

APPLICATION SCENARIOS

- Industrial and commercial energy storage
- The new photovoltaic energy storage system
- Renovated photovoltaic energy storage system
- Off-grid scenarios

PRODUCT FEATURES

- Small volume unitized design, improve space utilization.
- The module unit contains a complete intelligent a system, which can be remotely monitored and unattended; it can realize the effective control of PCS, BMS and load.
- Standardized design for lower O&M costs, standardized production for fast delivery, and lower overall lifecycle costs.
- Horizontal and vertical arbitrary grouping, supporting multi-scene applications from kWh to MWh level.
- Built-in independent automatic firefighting to solve the problem of micro storage safety.
- Independent refinement of each unit to improve energy efficiency of electricity consumption.

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Specifications

Item	Features	Parameter
Product Model	Battery module number	15
	Battery configuration	1P210S
	Nominal voltage, V	672
	Battery cluster capacity, KWh	188.16
Usable Capacity [KWh]	Battery cluster number	3
	System nominal capacity，KWh	564.5
	Battery container size，mm	4640*1200*2591

Number	Power/KW	Nominal Capacity/KWh	Duration/h	Unit Energy Storage Quantity	Remark
1	250	564	2	1	0.5C
2	250	1128	4	2	0.25C
3	500	1128	2	2	0.5C
4	500	1692	3	3	0.3C
5	500	2256	4	4	0.25C

The above data may be updated, which is subject to the physical object.

System Topology