



672V-864V 215kWh Industrial Charger For Large Scale Applications

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: GB/T36276-2018, IEC62619, UL1971, UL9540A
- Model Number: IGESS
- Minimum Order Quantity: 5 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T

ALL-in-one Outdoor liquid-cooling Energy Storage System



Product characteristics
Intelligent and healthy
BMS is directly connected to the pack, effectively reducing communication latency.
Low-voltage monitoring, abnormal early warning.
Efficient and flexible
DC output can be independently divided into 100kW and 200kW to meet the needs of different power and capacity.
It can be used for 10-year stable storage and can be flexibly configured in different scenarios.
Grid-tie and off-grid operation, providing an ESS solution for various scenarios of storage and power supply.
Safe and reliable
IP55 protection grade, meet the requirements of outdoor operation.
Fire protection, fire prevention and fire alarm system.
Battery system: PCS, BMS, EMS, and other components.
Application field
Industrial park, residential and commercial photovoltaic power station, virtual storage and charging station, distribution network, storage, data center and other scenarios.

Product Specification

- Rated Energy: 215kWh
- Rated Capacity: 280Ah
- Voltage Range: 672V ~ 864V
- Max Conversion Efficiency: 98.5%
- IP Rating: IP55
- Standard Altitude: ≤2000m
- Highlight: **215kWh industrial charger,
IP55 industrial charger,
280Ah industrial battery charger**

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Product Description

215kWh High-Efficiency Industrial Charger for Large-Scale Applications

Product Description:

This industrial-grade energy storage system is designed for large-scale applications, featuring a high-efficiency 215kWh lithium iron phosphate (LiFePO₄) battery pack. The system supports flexible parallel configuration, allowing up to 10 units for expansion, providing scalable energy storage solutions. The system integrates IP55 protection, ensuring reliability in various outdoor and industrial environments. It also features full liquid cooling to improve environmental adaptability and extend the lifespan of the battery pack. This energy storage solution is perfect for managing power loads, demand management, and emergency backup.

Product characteristics		
Intelligent and friendly		
380V is directly connected to the grid, effectively reducing construction costs		
Cell health monitoring, abnormal cell early warning		
Cooperate with self-developed cloud platform and APP to realize monitoring and management anytime and anywhere		
Efficient and flexible		
It supports up to 10 parallel machines and can be flexibly configured on demand for easy expansion		
Configure photovoltaic inverter and STS switch as required to achieve full coverage of the scene		
Integrated design, pre-assembly and shipment, shorten the delivery cycle, reduce engineering costs		
Safe and reliable		
IP55 protection grade, meet the requirements of outdoor operation		
PACK level active fire protection for safer system		
Battery system, PCS full liquid cooling design, more environmental adaptability		
Application field		
Industrial park, industrial and commercial photovoltaic power station, optical storage and charging station, distribution station area, microgrid, data center and other occasions		
		Charge Controller
10PACK		
1P48S	2#PACK	5#PACK
43kWh		
FU		
FU		
AC Side	Rated AO Power	100kVA
	AC overload Capacity	110kVA
	Connection Mode	Three-Phase Four-Wire System
	On-grid AC Voltage	380/400V(-20%~15%)
	On-grid Frequency	50/60Hz(-2.5~2.5)
	Total Harmonic Distortion	<3%
	Power Factor	-0.99~+0.99
	Max. Conversion Efficiency	98.5%
DC Side	Battery Type	Lithium iron phosphate 3.2V/280Ah
	Cell Configurations	1P240S
	Rated Capacity	280Ah
	Rated Energy	215kWh
	Rated Voltage	768V
	Voltage Range	672~864V
	Standard Charge/Discharge Current	140A/140A
	Cooling	Liquid cooling
	Coolant	Ethylene glycol:aqueous solution(50%:50%)
	Life Cycles	8000
	Fire Suppression	NOVEC 1230/FM200
	Detector	Smoke, heat & flammable gas detectors
	Efficiency	2.88%
	Dimensions	1300×1350×2050(W×D×H,mm)
	Weight	≤2.7t
	Battery Charge/Discharge Operating Temperature	0°C~55°C/-20°C~55°C
	Relative Humidity	0~95%(no condensing)

System Parameter	Standard Altitude	<2000m(>2000m,derating)	
	Noise	<75dB	
	Anti-corrosion	C3/C4	
	IP Rating	IP55	
	System Communication Interface	Ethernet/4G/RS485	
	ExternalSystem Communication Protocol	Modbus RTU,Modbus TCP,CAN2.0B,IEC61850	
	Compliance	GB/T36276-2018,IEC62619,UL1971,UL9540A	
Operation Mode	Cut Peaks and Fill Valleys	Yes	
	Demand Management	Yes	
	PluripotentSynergy	Yes	
	Dynamic Capacity Increase	Yes	
	Emergency Backup	Yes	
	Anti-Befux	Yes	
Remarks:Specifications are subject to change without notice;Specal voltage and power requirements can be customized designed			

Application:

Ideal for industrial parks, commercial photovoltaic power stations, data centers, and microgrids. The system can be deployed in optical storage and charging stations, distribution areas, and public infrastructure requiring high-power storage solutions. The reliable and modular design makes it easy to scale energy storage to meet growing energy demands.

Shipping Methods

Supports global air and sea shipping.



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