



Compact Design and Advanced Connectivity Options in ECO-H3200K-G6-35 Power Conversion System for Lithium Battery Storage

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: SHEL
- Certification: RS485/CAN/Ethernet
- Model Number: 3200KG635
- Minimum Order Quantity: 1 unit
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T
- Supply Ability: consult online



PCS-Boost Container -H3200K

Product Specification

- Max.Voltage: 1500Vdc
- Max.Power: 200kW*16
- Max.Current: 200A*16
- Voltage Range: 1000-1500Vdc
- Rated Power: 3200kW
- Highlight: **Lithium Battery Storage,
Lithium Battery Storage,
Lithium Battery Storage**

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Product Description

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In order to meet the modular, integrated and convenient design needs of large-scale ESS stations, the all-in-one PCS-Boost container prefabricates the PCS, boost transformer, HV & LV power distribution unit, communication unit, etc. in one container, to achieve the fast construction of ESS stations. It has a virtual synchronization function and can realize the stability and quality of power distribution zone.

Product Description

The ECO-H3200K-G6-35 Power Conversion System (PCS) is a cutting-edge solution designed to facilitate efficient energy conversion and management in utility-scale and industrial applications. With a rated AC power output of 3200kW and a maximum power of 3520kW, this PCS is engineered to handle high-demand scenarios while maintaining exceptional performance. The system supports a wide nominal voltage range of 6-35kV (optional) and operates with a THD of less than 1.5%@rated power, ensuring clean and stable power output. Its dry/oil transformer isolation and maximum efficiency of 98% make it a reliable and energy-efficient choice for grid and renewable energy applications. Encased in a durable IP54-rated enclosure, the ECO-H3200K-G6-35 is built to withstand harsh environmental conditions, with an operating temperature range of -40°C to 60°C. Its smart air cooling system ensures optimal thermal regulation, and the system is capable of operating at altitudes up to 4000m (with derating). The compact design (6058mm x 2438mm x 2591mm) and advanced connectivity options (RS485, CAN, Ethernet) allow for seamless integration into diverse power systems.

	Fast Delivery Prefabrication & all-in-one design, high system integration, easy transportation and installation.		Ultra Bearing Wide DC voltage range, Full load capacity at DC1500V.
	Multi-level Protection Supports charge/discharge management, and cooperates with EMS, BMS and other systems to achieve multi-level protection.		Swift Scheduling Excellent functions such as fast power scheduling, off-grid operation and blackstart to improve energy efficiency.
	Ultimate Safety Whole-unit intelligent forced air cooling & high protection, adaptable to various harsh environments.		On-demand Customization On-demand customization according to power and structural requirements to meet customized needs.

Model	Item	ECO-H3200K-G6-35
DC side	Max.Voltage	1500Vdc
	Max.Power	200kW*16
	Max.Current	200A*16
	Voltage Range	1000-1500Vdc
AC Side	Rated Power	3200kW
	Max.Power	3520kW
	Nominal Voltage	6-35KV optional
	Rated Frequency	50Hz/60Hz
	THD	<1.5%@rated power
	Power Factor	-1lagging~1leading
General	Isolation	dry/oil transformer
	Max Efficiency	98%
	Ingress Rating	IP54
	Operating Temperature	-40~60°C
	Altitude	4000m(derating above 4000m))
	Cooling	Smart air cooling
	Connectivity	RS485/CAN/Ethernet
	Dimensions(W*D*H)	6058*2438*2591mm

Application Scenarios

Utility-Scale Renewable Energy Integration:

The ECO-H3200K-G6-35 PCS is designed to optimize the integration of renewable energy sources, such as solar and wind, into utility grids. With its high power output and flexible voltage range, it efficiently converts and stabilizes DC energy from renewable sources to AC energy, ensuring seamless grid compatibility. Its power factor range (-1 lagging to 1 leading) and low THD make it ideal for improving grid quality and reliability.

Industrial Power Systems:

This PCS is an excellent choice for industrial facilities requiring large-scale energy conversion and management. Its ability to handle high DC voltage (1000-1500Vdc) and provide nominal AC output at 6-35kV makes it suitable for high-demand operations, such as manufacturing plants or data centers. The system's robust design ensures consistent performance in extreme environments, while its compact footprint allows for easy installation and integration.

The ECO-H3200K-G6-35 Power Conversion System delivers unmatched efficiency, reliability, and adaptability, making it a critical component for modern energy infrastructure and industrial power systems.

Shipping Methods

Supports global air and sea shipping.



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