Introducing SuperX Aurora-800VDC
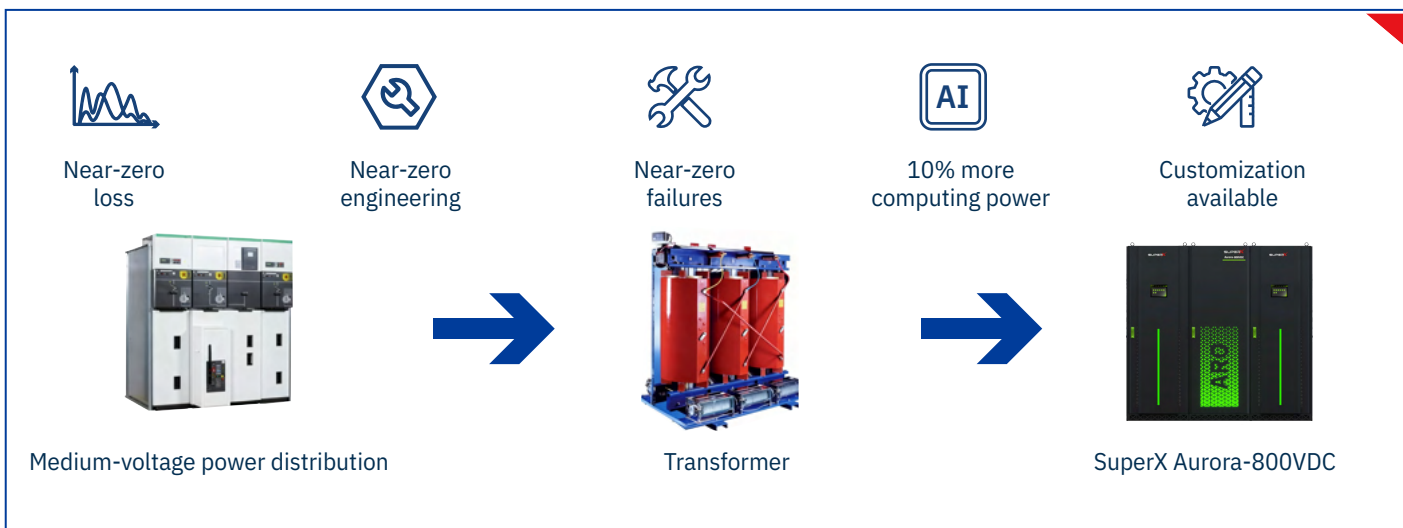
To address the ultra-high power density demands of next-generation computing centers,we have engineered the SuperX Aurora-800VDC power system-equipped with 60kW high-power modules that enable flexible configuration tailored to future ultra-high power density requirements.Boasting an exceptional system efficiency of 98.5%,it delivers a stable 800VDC constant voltage output, perfectly aligning with next-gen 800V AI servers. This not only enhances power supply reliability and simplifies construction complexity but also minimizes energy losses and reduces long-term operational costs.

Product Highlights

Near-zero loss

Near-zero engineering

Near-zero failures

10% more computing power

Customization available

Medium-voltage power distribution

Transformer

SuperX Aurora-800VDC

Application Industries And Scenarios

Hyperscale

Financial institution

Security sector

E-government service

Life field

Energy field

Agriculture

AI Factory

Key Parameters

A single 800mm wide cabinet can reach 1.2MW, and a single 600mm wide cabinet can reach 960kW.

98.5%
System efficiency

Load dynamic response time
500ms (0%-100% load factor transition)

Single module power: 60kW

The system features interfaces for connecting multiple battery groups, enabling precise charge and discharge management by battery group.

Product Technical Parameters

Product Type	800VDC System
System model	ARODCS800（720kW）
System efficiency	98.5%

AC Input	Parameter Name	Description
	Input voltage	Three-phase four-wire system without neutral line , 380Vac / 480Vac
	Frequency	50/60hz
	iTHD	≤5%
	Power factor	≥0.99

Parameter	Parameter Specification	Description
DC output	Rated output voltage	Constant 800Vdc
	Battery voltage range	600~850Vdc
	Voltage regulation	≤±0.5%
	Voltage imbalance	≤± 5%
	Power supply	Magnetic levitation power supply
Configuration	Rectifier module	ARORD80060KS×12 unit
	Monitoring	AROM22×1 unit
Structure	Dimension	Customizable

*The technical parameters are for reference only and can be further customized according to the project situation

Contact Us And Get Started

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