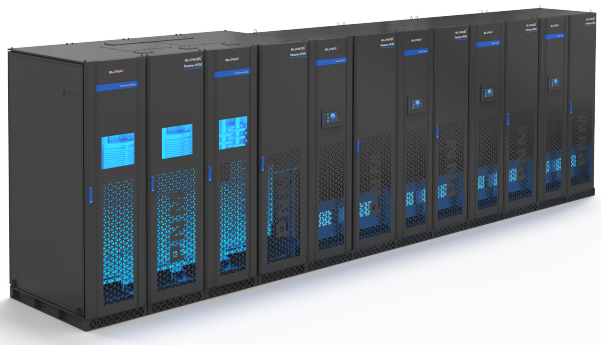
Introducing SuperX Panama-800VDC



SuperX Panama-800VDC is a 10kV-35kV AC-to-DC power system.Through innovative integration of electrical and magnetic circuits, it streamlines power distribution processes in data centers. The system features ultra-high power density, exceptional efficiency, safety, reliability, and prefabricated modular deployment— precisely aligning with the core construction principles of data centers: simplicity, speed, intelligence, and high efficiency.

Product Highlights

- Near-zero loss
- Near-zero engineering
- Near-zero failures
- 10% more computing power
- Customization available

Medium-voltage power distribution

SuperX Panama-800VDC

MDC-800VDC

Application Industries And Scenarios

- Hyperscale
- Financial institution
- Security sector
- E-government service
- Life field
- Energy field
- Agriculture
- AI Factory

Technical Specifications

SuperX Panama-800VDC Specifications	System Capacity	Maximum Output Power (Including Battery Charging)	Load Capacity	AC Cabinet	Estimated Dimensions
Model Number	**kVA**	**kW**	**kW**	**kVA**	**mm(W*D*H)**
SuperXMPS 2000	2000	500*4	450*4	Expandable Configurations	8850*1400 *2300
SuperXMPS 2500	2500	625*4	550*4	Expandable Configurations	8850*1400 *2300
SuperXMPS 3100	3100	700*4	630*4	Expandable Configurations	10250*1400 *2300
SuperXMPS 5000	5000	1250*4	1250*4	Expandable Configurations	10820*1400 *2300
SuperXMPS 10000	10000	2500*4	2500*4	Expandable Configurations	9400*1400 *2900

System Category		240V ~ 400V DC System	800V DC System
Parameter Analogy	**Parameter Name**	**Description**	**Description**
System Capacity		2.5MW,3.15MW	2.5MW,3.15MW,5MW,10MW
AC Input	Input Voltage Range	Three-Phase8.0~35kV	Three-Phase8.0~35kV
	Input Frequency	45~65Hz	45~65Hz
	iTHD	≤5%	≤5%
	System Power Factor	≥0.99	≥0.99
DC Output	Rated Output Voltage	270/380Vdc	800Vdc
	Voltage Regulation Accuracy	≤±0.5%	≤±0.5%
	Current Sharing Imbalance	≤±3%	≤±3%
	Power Supply Mode	Floating Power Supply	Floating Power Supply
	System Peak-to-Peak Noise	≤0.5%	≤0.5%
Operating	Environmental Requirements	Indoor/Containerized	Indoor/Containerized
	Storage Temperature Range	-40~70°C	-40~70°C
	Operating Temperature Range	-10~40°C	-10~40°C
	Atmospheric Pressure	70~106kPa	70~106kPa
System Protection	Protection Level	IP20	IP20
Cooling Method	Heat Dissipation Method	Fan Air Cooling	Fan Air Cooling
Wiring Method	Battery/Load Installation Method	Top-Inlet & Top-Outlet	Top-Inlet & Top-Outlet

Contact Us And Get Started

www.superx.sg

sales@superx.sg

30 Pasir Panjang Road,#06-31
Mapletree Business City,Singapore