

Product Introduction

Kstar PowerFort centralized power supply solution integrates transformer, LV incomer, bus tie, SVG/APF switchgear, UPS, UPS input and output switchgear, maintenance bypass switchgear, IT feeder switchgear and monitoring system. PowerFort is a prefabricated power supply and distribution solution, which provides megawatts of centralized power supply and distribution for large data centers, will be widely used in data centers of various industries-Telecommunication, Internet Service Providers, Finance, Energy & Electricity, Transportation, Manufactories, Government Agencies and Authorities.

Core Advantages

Safety and Reliability

- ◆ Kstar UPS have been widely used in Telecommunication, Finance, top Internet Service Providers and Manufactories for a long time.
- ◆ The UPS input and output switches are circuit breakers, which can reliably open the short-circuit current and provide short-circuit protection.
- ◆ Prefabricated tinned copper bus-bar design to ensure maintenance-free operation.
- ◆ Hot swap: power modules, bypass modules, monitoring modules and UPS unit.
- ◆ The monitoring system is an embedded Linux operating system.

Intensive Deployment

- ◆ Compared to traditional distributed power distribution, centralized power distribution architecture saves more than 25% space and 30% delivery time.



Footprint: Save more than 25%



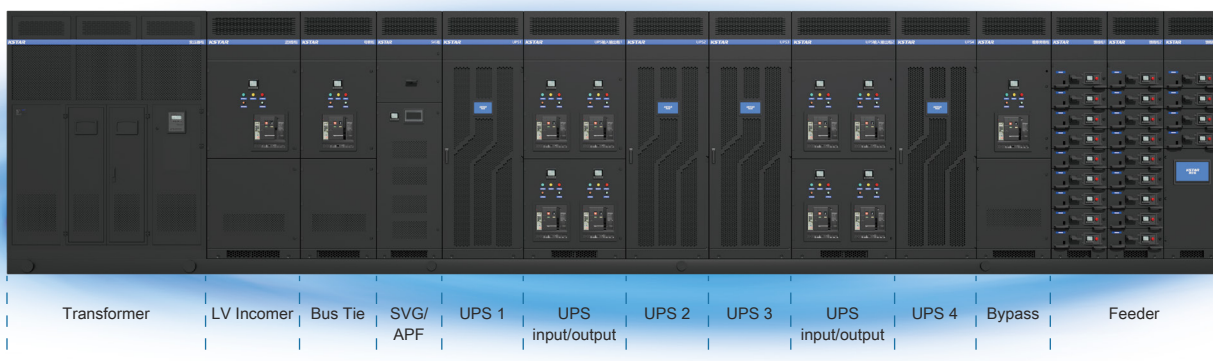
Delivery time: Save more than 30%

High Efficiency

- ◆ High performance ECO(HECO) mode: 98.1%.

Intelligent Monitoring

- ◆ Real-time visible monitoring.
- ◆ Real-time monitoring the system power, energy, currents, voltages, temperatures, alarms, faults, etc.
- ◆ UPS supports fault waveform recording, quickly locate faults and improve O&M efficiency.



Technical Specifications

Model	KPF-1250	KPF-1600	KPF-2000	KPF-2500
Rated Capacity (kVA)	1250	1600	2000	2500
UPS Input/output Switch	Circuit Breaker			
Typical Dimension W×D×H (mm) *	9400×1200×2500	11300×1200×2500	12650×1200×2500	12850×1200×2500
Protection Class	IP20			
MV Transformer				
Rated Capacity (kVA)	1250	1600	2000	2500
Vector Group	Dyn11			
Rated Voltage (V)	10k+2×2.5%/0.4k			
Short Circuit Impedance	6%			
LV Input				
Rated Voltage (V)	Rated Service Voltage: AC 400; Rated Insulation Voltage: AC 1000			
Rating for Busbar (A)	2500	3200	4000	5000
UPS				
Rated Capacity of UPS Unit (kVA)	600	500	500	600
The Quantity of UPS Unit	2	3	4	4
Rated Voltage (Vac)	3P+N+PE, 380/400/415			
Frequency (Hz)	50/60			
Monitoring System				
Real-time Monitoring	Power, Energy, Currents, Voltages, Temperatures, Alarms, Faults, etc.			
Local Display	15.6 inch HMI			
Communication	Modbus or TCP/IP			
Environment				
Temperature (°C)	0~40			
Humidity	≤95%RH(No condensation)			
Altitude (m)	≤1000, derating if more than 1000m			
Compliance				
Standard	CE, GB			

* The supply dimensions can be adjusted to meet actual needs.



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