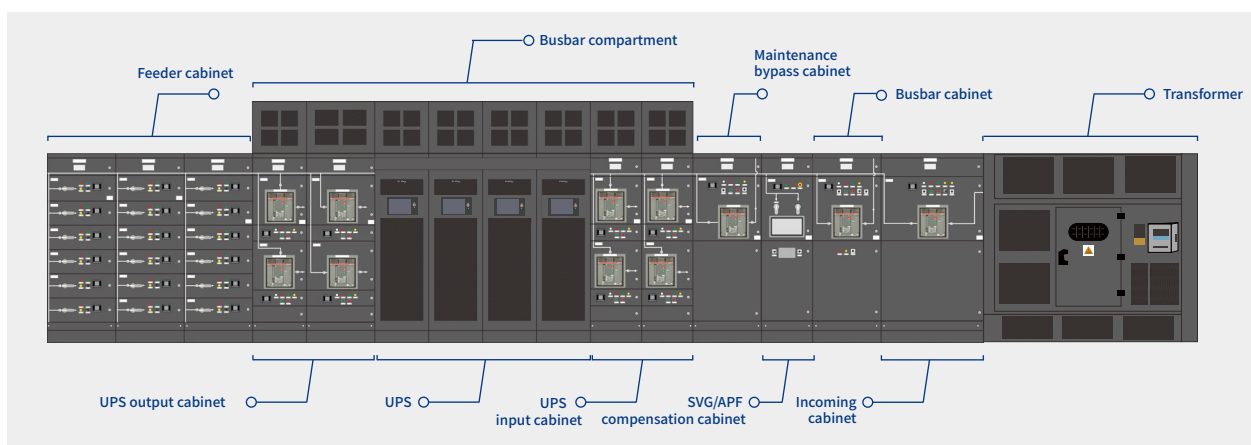


EPOWER

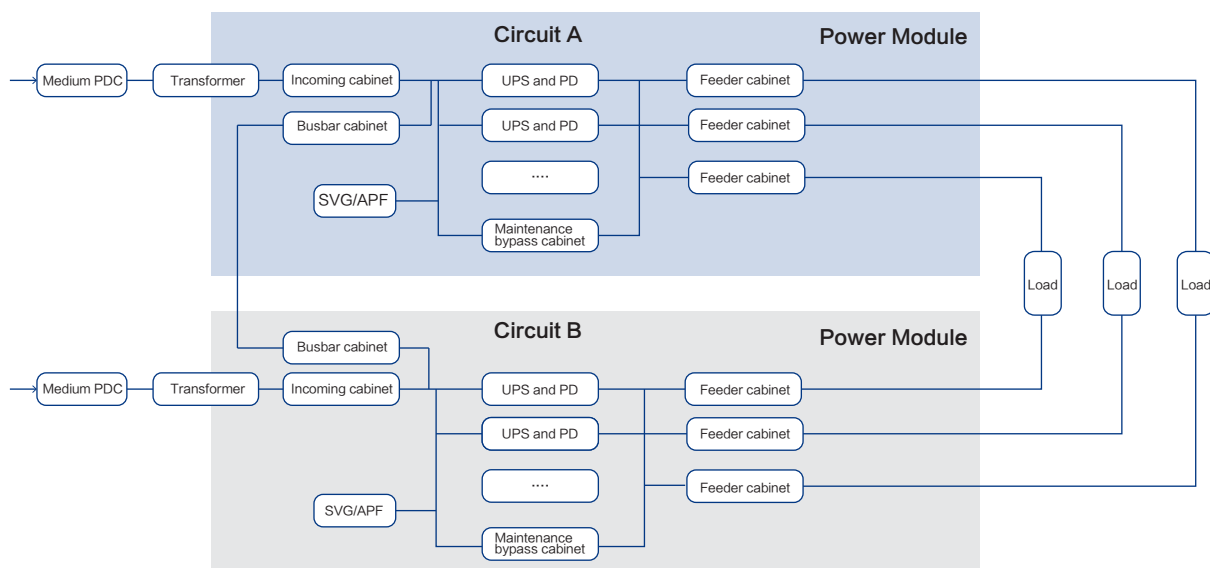
Prefabricated Power Module Solution

Product Introduction

Based on more than 20 years of reliable, efficient, intelligent and simple value practices in the field of smart energy, as well as the design concepts of engineering productization, system productization, modularization and visualization, EVADA has launched the EPower prefabricated power module solution (including medium-voltage transformers, compensation cabinets, low-voltage distribution cabinets, UPS, and centralized intelligent monitoring). This solution intelligently integrates the full power link from the medium-voltage transformer to the load feeder end. Through the full-chain integrated design, on the basis of ensuring the safety and reliability of the system, the power link is optimized, the power system footprint is reduced, and the operating energy consumption is reduced; through engineering product design, factory prefabrication, pre-adjustment, and overall integration, the delivery complexity is reduced and the deployment period is shortened; through modularization and centralized visualization design, unified centralized monitoring of the entire chain, predictive maintenance, and rapid decoupling and recovery of faults are achieved to ensure the safety and availability of system operation. It provides surging power for data centers in industries such as operators, governments, electricity, finance, Internet, medical care, education, and smart manufacturing, ensuring the continuity of key businesses.



Product Principle



Application Scenario

Medium and large power supply and distribution systems in data centers of operators, government, electric power, finance, Internet, medical care, education, intelligent manufacturing and other industries.

Product Features

Reliable

- Full chain integrated design, factory prefabrication and pre-commissioning, the overall performance is safe and reliable.

Efficient

- Link optimization, system efficiency> 95%,ECO energy-saving mode efficiency up to 97.8%;
- Component integration reduces system footprint by more than 30%.

Intelligent

- Full chain visibility, centralized monitoring, and unified management;
- Temperature measurement at key nodes, life prediction and preventive maintenance of key components.

Simple

- Prefabrication and de-engineering shortened the delivery period from 2 months to 2 weeks;
- UPS supports whole cabinet fault decoupling, and replacement and maintenance can be completed without powering off the system;
- UPS power module, bypass module and other core modules are hot swappable, and maintenance can be completed in 5 minutes;
- The system solution is flexible and has strong customization capabilities to meet the differentiated needs of different application scenarios:

UPS switch: internal or external;

UPS input: main and side inputs are from the same source or different sources ;

UPS input and output connection: cable connection or copper bus connection.

Specifications

System/Equipment	Specifications	EPower1250	EPower1600	EPower2000	EPower2500
System	System Capacity	1250kVA	1600kVA	2000kVA	2500kVA
	Dimensions	Height: ≤2950mm; Depth: ≤1600mm including transformer, ≤1200mm excluding transformer; Width: configurable on demand			
	Monitoring system	Centralized monitoring and management			
	UPS input and output connection method	Cable connection, copper bus connection optional			
	Installation	Integrated skid type (segmented design), combined assembly type optional			
	Low voltage cabinet type	Fixed partition type, pull-out type optional			
	Load Type	IT load, power load			
	Operating temperature (°C)	0°C~40°C			
	Working relative humidity (%)	≤95% (no condensation)			
	Altitude (m)	≤1000m, when it exceeds 1000m, the rating shall be derated according to the industry standard			
Transformer	Capacity	1250kVA	1600kVA	2000kVA	2500kVA
	Transformer input	3P3W + PE, 10kVAC, 50/60Hz			
	Transformer output	3P4W + PE, 380VAC/400VAC/415VAC, 50/60Hz			
SVG/APF hybrid compensation cabinet	Capacity Configuration	Configure on demand			
Incoming cabinet	Switching capacity	2500A/3P	3200A/3P	4000A/3P	5000A/3P
Busbar cabinet	Switching capacity	2500A/4P	3200A/4P	4000A/4P	5000A/4P
UPS input cabinet	Switching capacity	2*1250A/3P	2*1000A/3P	2*1000A/3P	2*1250A/3P
UPS	Model	Modular UPS, high frequency UPS optional			
	UPS components	2*600kVA	3*500kVA	4*500kVA	4*600kVA
UPS output cabinet	Switching capacity	2*1250A/3P	2*1000A/3P	2*1000A/3P	2*1250A/3P
Maintenance bypass cabinet	Switching capacity	2000A/3P	2500A/3P	3200A/3P	4000A/3P
Feeder cabinet	Switching capacity	Configured on demand, circuit breaker capacity optional: 630A, 400A, 250A, 160A, 100A			

*The above specifications are for reference only and can be customized according to specific projects.