



– Data center integration solution product series –

## Kstar power distribution cabinet series products

# GG UC / KPM series input & output power distribution cabinet

Rated current: 100~630A/4001~1600A

The product group: ups input power distribution cabinet, ups output power distribution cabinet, mains supply power distribution

KSTAR UPS input and output power distribution cabinet, is matching with ups products, through the circuit breaker switching equipment, (It is designed to provide mains power to one or more UPS equipment) (and divided UPS output into a number of output branch ), (feeded the electrical equipment with safe and reliable power supply ),(cut off the power supply through its each branch breaker , ) which is convenient for maintenance. The distribution cabinet can be equipped with lightning protection device and voltage/current and other power detection device, which can be used to understand the power supply situation of the distribution cabinet intuitively, and provide customers with reliable and humanized power management.



## Function and features

Distribution function, it had introduce the mains supply input to one or more ups equipment, and secondary distribution of the output power supply of ups, to provide uninterrupted power supply for the load of the IT room.

Monitoring function, monitoring the main circuit power (optional 3phase current, voltage, frequency, etc.), lightning protection device status.

Protection function: short circuit instantaneous, overload long delay, lightning protection

Fault warning function: sound and light alarm.

Background communication function: detection of voltage and current information.

Intelligent model can output Modbus

protocol in real time and communicate with background monitoring device.

Fixed function unit separation, safe and reliable. Simple operation and easy maintenance.

Configure the display device to display the voltage and current information of the distribution cabinet in real time.

Humanized design, front operation, front and back can be maintained, improve the safety of the distribution cabinet.

Equipped with sound and light alarm device, sound and light alarm when power failure or recovery (according to YD/T585-2010)

Reliable protection measures: bus protection,

the parts of the electric contact insulation block, to ensure safe operation.

The intelligent distribution cabinet provides upload protocol and site monitoring software to form monitoring network

Perfect system architecture, simple and flexible configuration.

Adopted international and domestic first-line quality electrical components, improve product safety and power supply quality.

Equipped with surge protection , can be protected the load equipment effectively.

# GG IC/KPM series precision power distribution cabinet

Rated current: 100–630A

The product group: ups output distribution cabinet, Column header cabinet

Kstar precision distribution cabinet is mainly used in small and medium-sized data centers, network computer rooms and communication base stations in the financial, government, enterprise and other industries. The power supply is divided into several branches by the circuit breaker and master bus to provide a safe and stable power supply for multiple devices, and the power supply of the equipment can be managed by each branch circuit breaker to facilitate equipment maintenance. And with the power monitoring system, the collection of very precise data, through the LCD screen to understand the power supply of each device. And through the background communication connected to the dynamic ring monitoring system network, to achieve intelligent management of the IT room.



## Functions and features

Distribution function, divided UPS output power supply secondary allocation, load to the IT room: such as provided server, network equipment uninterrupted power supply.

Swappable distribution cabinet function: Swappable elements do not directly contact with the copper bus during the plug and pull process, but contact with the bus through the transition device. The plug element is plugged without stopping the power supply of the bus.

Plug elements has 100% interchangeability with the same Capacity.

Measuring ability, detection of the full power of the main and branch (three-phase, current, voltage, active power, apparent power, power factor, power degree, frequency, THDv, THDi, load percentage, harmonic, current of each branch and switching state), lightning protection state.

Protection function: short circuit instantaneous, overload extension, three-phase unbalanced, lightning protection.

Fault warning function: short circuit, overload, low voltage, high voltage, lightning protection

fault, branch current over-limit alarm (two threshold), sound-light alarm.

Event recording function: there are 200 historical record information, power off automatically preservation.

Background communication function: monitor the real-time Modbus protocol output of the full power of the main and branch (including analog and switching) information, and communicate with the background monitoring device through the interfaces such as RS232, RS485, network interface (SNMP V2).

Optional fixed type or branch plug type, plug type can be online commutation, and switch replacement

Equipped with HMI LCD interface, touch screen device. The front panel of the distribution cabinet shall include the following elements: LCD, alphanumeric display, system status indicator LED light and necessary function keys to select various system parameters, browse and read all system information from the cabinet, etc.

Humanized design, front-operated, front-back

maintained, improved the safety of the distribution cabinet.

Branch voltage monitoring and power failure sound -light alarm function

Reliable protection: Bus-bar protection, electric shock insulation, to ensure safe operation.

The intelligent distribution cabinet provide upload protocol and site monitoring software to form monitoring network function.

Perfect system architecture, simple and flexible configuration.

Using high quality electrical components, improved product safety and power supply quality.

The touch screen displays the full power information of the main circuit and branches, provided complete and reliable power management.

Adopt Class-C lightning protection can protect the equipment back of power supply effectively.

## Specification

Type	Ups input-output distribution cabinet	Precision distribution cabinetProduct model
Product model	GG UC / KPM	GG IC
Rated input current (A)	100~630 / 400~1600	100~630
Input mode	single - way, double - way, multi - way is optional	
Rated operating frequency (HZ)	50	
System connection mod	3-phase 5-wire system (TN-S/TN-C-S)	
Rated operating voltage (Vac)	230/400	
Rated insulation voltage (Vac)	690	
Power frequency test voltage	The primary loop : 2500V/min; The auxiliary circuit : 2000V/min	
Rated impulse withstand voltage (Vac)	8	
Rated ultimate short circuit breaking capacity (Vac)	25~100	
Protection grade	IP20 (can customize)	
Size (W×D×H) mm	600×1000×2000 / 800×1000×2000 / Other sizes can be customized	
Output circuit	1250A and below(can customize)	1~63 (Astandard21P-126P / 30P-180P, can customize)
Monitoring function	Current voltage frequency	Three phase current, voltage, active power, reactive power, apparent power, power factor, power degree, frequency, THDv, THDi, loadpercentage, harmonics, branch current and switching state, lightning protection state
Protection function	Short circuit overload, lightning protection	Short circuit instantaneous, overload long delay, three-phase unbalanced, lightning protection
Alarm function	Short circuit, overload, low voltage, high voltage, lightning protection fault (optional sound and light alarm)	Short circuit, overload, low voltage, high voltage, lightning protection fault, branch current over-limit alarm (two - stage threshold), total sound and light alarm
Measurement accuracy	Current, voltage 0.5	level current/voltage 0.2 level, power 0.5 level, active power 0.5 level, reactive power 2.0 level color,
Display mode	LCD / LED	LCD touch screen
Inlet -outlet line mode	Up/down in-out wire	
Optional features	Emergency stop button, fire linkage, accident lighting, time on/off power	Emergency stop button, output circuit breaker hot plug and plug line commutation, fire linkage, time-sharing up/down power, load curve record
Communication interface	RS485, Modbus	RS232 / RS485 (Modbus) , RJ45 (SNMP)
Lightning protection function	Class B or class C lightning protection is optional	