



Integrated UPS Power Distribution Panel





Introduction

The Integrated UPS power distribution panel is the optimal distribution solution for IT systems, focusing on refined power quality management, so that customers can upgrade and manage the distribution system according to the IT load of the data center and the development needs of the enterprise.

UPS Power distribution panel integrated The UPS, input power modules, UPS power distribution modules, air conditioner power distribution modules and IT branch power distribution modules are integrated in the cabinet. The appearance matches with the cabinet. It has the characteristics of saving space, easy maintenance and high reliability.



Product Feature

Modular design of power distribution

- ◆ Saving IT cabinet space.
- ◆ Safely and easily upgrade
- ◆ Factory prefabrication, pretest, quick installation on site
- ◆ Shorten the delivery cycle

High security Easy maintenance

- ◆ Independently design
- ◆ The electrical fault has a small impact range
- ◆ Equipped with Schneider's full range of components
- ◆ Protection level IP40

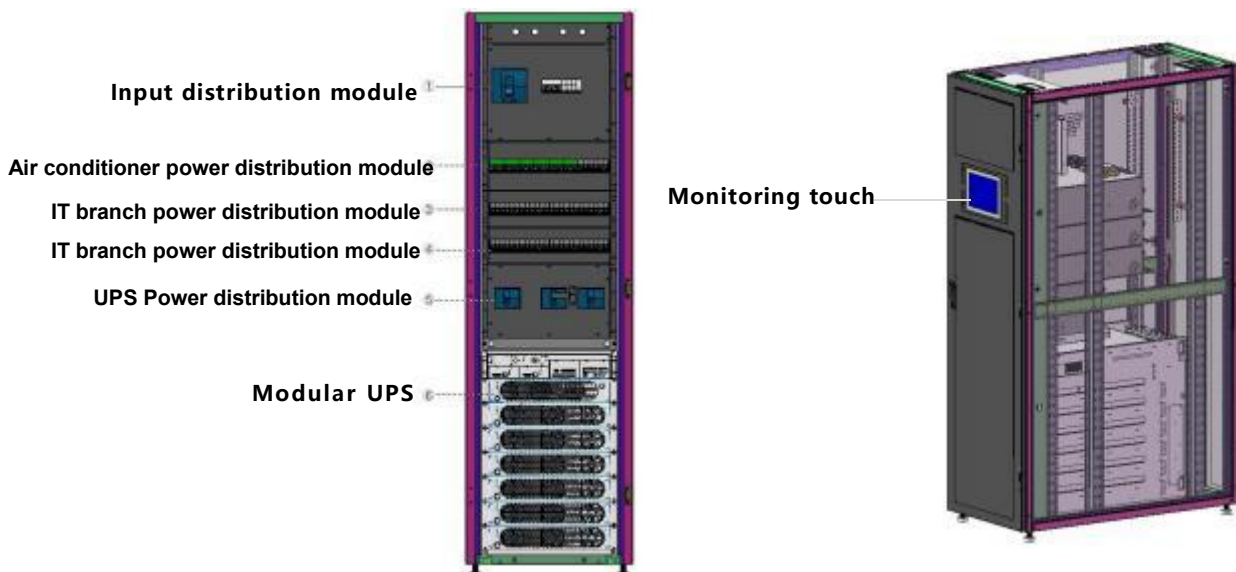
Green energy-saving

- ◆ UPS intelligent sleep mode saves energy, truly realizes green energy saving and improves the comprehensive service life of the system.

Intuitive and simple interface

- ◆ Graphical display system single line diagram on touch screen.
- ◆ Key parameters simplify maintenance and reduce human error.

Lay-out diagram

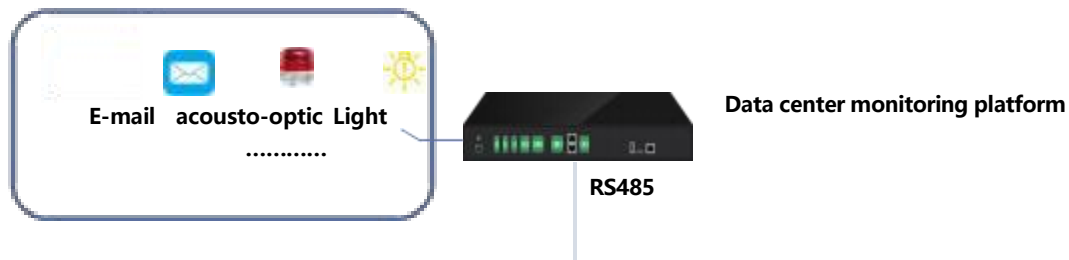




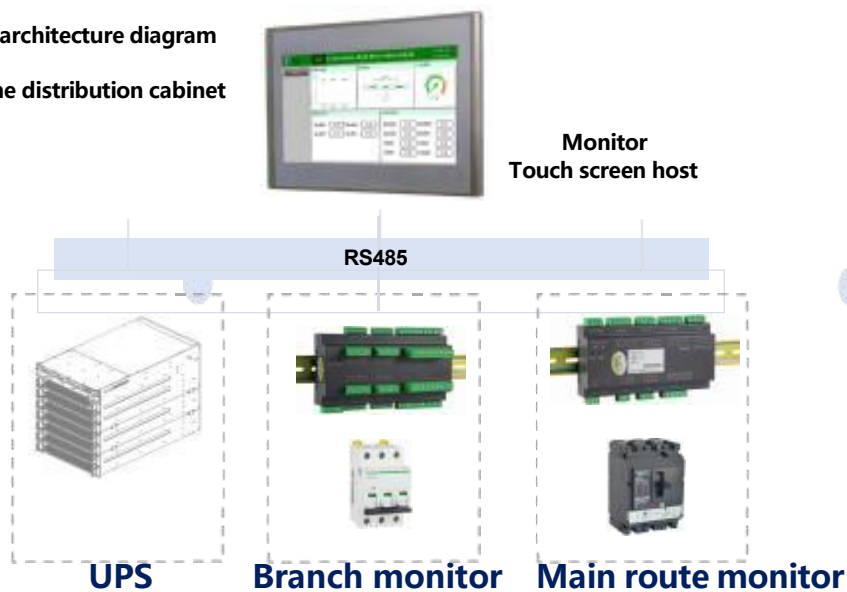
Integrated UPS power distribution cabinet

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Monitoring architecture diagram



Monitoring architecture diagram of the distribution cabinet



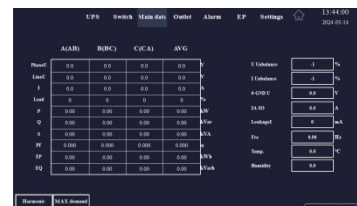
Man-Machine Interface



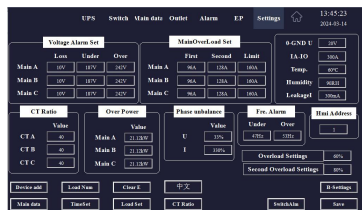
UPS Monitor



Breaker status monitor



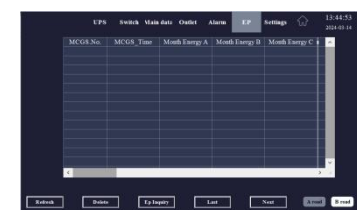
Main route monitor



Alarm setting



Alarm record



Electric energy record



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Product technical parameters

Program	Specification Description	
Configuration parameter	Rated capacity	180KVA
	Input mode	Single Power Supply/Dual Power Input (ATS)
	Input specification	200/250/400A
	IT power distribution	(63A/1P*7,32A/1P*17) ×2
	AC/Lighting power distribution	32A/1P×3,16A/1P×6
Input parameter	Input rated voltage	380V/400V/415V (Circuit voltage) ; 3Ph+N+PE
	Input voltage range	38 ~ 485Vac; 305 ~ 485V AC non-derating , 138 ~ 305V AC Linear derating
	Input frequency range	40-70HZ
	Input power factor	>0.99
Output parameter	Rated voltage	380V/400V/415V(circuit voltage)
	Rated frequency	50/60Hz
	(THDV)Output voltage harmonics (THDV)	≤2% (100% linear load); ≤3% (100% non-linear load)
	Power factor	≥0.9
	Peak value ratio	3: 1
Monitor	Communication function	RS485、TCP/IP (Optional)
	Touch screen	7 inches, 10 inches
	Monitoring content	1.UPS input and output voltage, UPS input and output frequency, UPS status, battery capacity and other operating parameters 2. Set the switching status, voltage, current, power, and harmonics of the power distribution system input and IT load branches
System parameter	Overall efficiency	>95%
	IP protection level	IP40
	AC lightning protection	5KV,8/20μs
Environment	Ambient temperature	0°C ~ 40°C
	Storage temperature	-25°C ~ 55°C (No battery)
	Humidity range	0 ~ 95% (No Condensation of moisture)
	Working altitude	< 1500m (Over 1500m should be derated according to GB/T 3859.2)
	Noise (dB) (1 meter distance)	<61dB
Dimension	600mm×1200mm×2000mm	



Product technical parameters-UPS Mainframe

Program	Specification Description	
Main Input	Input rated voltage	180KVA
	Input mode	380V/400V/415V (Circuit voltage) ; 3Ph+N+PE
	Input voltage range	304 ~ 485V AC non-derating , 138 ~ 304V AC Linear derating
	Input frequency range	40-70HZ
	Input power factor	>0.99
	Current distortion rate	THDi<3% (100% linear load)
Battery	Rated Battery Voltage	±240VDC (32-50 sections)
	Charging Voltage Accuracy	±1%
	Charging power	20%* active power
Bypass	Bypass Rated Voltage	380V/400V/415V(circuit voltage)
	Bypass Rated frequency	50/60Hz
	Bypass voltage range	Settable, default -20% to +15%; upper limit: +10%, +15%, +20%, +25%; lower limit: -10%, -15%, -20%, -30%, -40%
	Bypass frequency range	Settable, ±1Hz ±3Hz ±5Hz
Output	Output Rated Voltage	380/400/415VAC
	Rated frequency	50/60Hz
	Output power factor	1
	Voltage Accuracy	±1.0%
	Output Dynamic Response	<5% (20% - 80% -20% step load)
	Dynamic recovery time	< 20ms (0% - 100% -0% step load)
	Output Total Harmonic Distortion	<1% (linear load), <5% (non-linear load)
	Inverter overload	<110%, 1 hour; 125%, 10 minutes; 150%, 1 minute; >150%, 200ms
	Frequency accuracy	0.1%
	Tracking range	Settable, ±0.5Hz to ±5Hz, default ±3Hz
	Tracking speed	Settable, 0.5Hz/S to 3Hz/S, default 0.5Hz/S
	Peak ratio	3:1
System	Primary Road Mode	≥95%
	Battery Mode	≥95%
	Interface	Standard:RS232 RS485 USB Programmable Dry Contacts
	Protection level	IP20/IP21
	Operating Temperature	0 ~ 40 °C
	Storage temperature	-40°C ~ 70°C
	Relative Humidity	0~95% No condensation
	Noise (1 m)	65dB @ 100% load, 62dB @ 45% load
Dimension(W*D*H)mm	600*1100*1600	
	460*790*134 (PM30X)	
Weight (KG) (with modules)	382KG	
	34KG (PM30X)	

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