



*Customization Oriented
High Stability
High Reliability*

Typical applications:

- Industrial application
- Semiconductor plant
- Computer room
- Data center
- Precision instrument
- Intelligent equipment

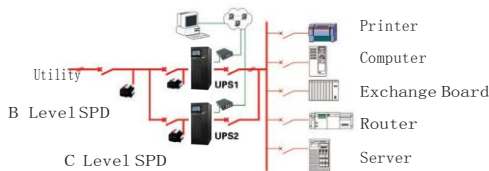


ST-UK31 Series 10-50kVA

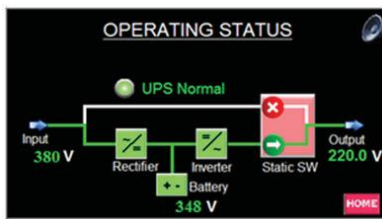


High-end intelligent power Protection solution

FR-UK31 series UPS is historic UPS. This UPS is double conversion online UPS, adopting advanced device and technology such as IGBT power device, DSP (Digital Signal Processor) , SPWM inverter, MMBM intelligent battery management technology and power management software. It can be widely applied to different industries by possessing high cost-effective advantages. With optional dual mains input and a built-in maintenance bypass switch, the system's stability is highly increased. FR-UK31 series UPS satisfies your demands of industrial environment. In addition, customized products are available for special requirement.



Parallel System Application



Fancy touch screen

Features and Advantages

High reliability

- Standard output isolated transformer
- No-master-slave N+1 parallel technology (Maximum 6 pcs in parallel in real application)
- International electronic and electrical components
- PCB boards feature with anti-corrosion paint coating

High performance

- $\pm 25\%$ input Voltage
- DC cold start function
- DSP and CPU digital control, IGBT based
- Internal manual maintenance bypass

Maximum protection

- Overload protection
- Short-circuit protection
- Reverse polarity protection
- Over temperature protection
- High input voltage protection
- Battery overcharge protection
- High/Low output voltage protection

Smart management

- Intelligent RS232/RS485
- Battery management
- Wind speed management
- DB9 dry contact communication port
- Multi-functional settings to view parameters

Added-value service (options)

- Customizable design
- Battery monitor system-MMBM
- Remote control panel
- Fancy touch screen
- IP grade upgrade
- ECO mode available
- Input/Bypass isolation transformer
- SNMP adapter & Emergent alarm via SMS/Email

High-end intelligent power Protection solution

Customized Solutions

We offer expert know-how and premium quality, highly reliable products widely used in data centers, telecom systems, precision instruments, financial systems, special application condition of communication systems and other industries. Our expertise in custom-designed systems will assist you in the different environment and different phases of your project.

Intelligent batteries monitor system - MMBM-3

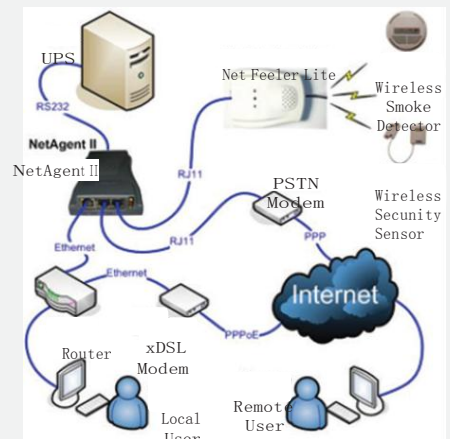
- Real time monitoring parameters
- Smart diagnosis status
- Real time abnormal alarm
- Record and save events logs



Battery cabinet and monitor system

Flexible network management

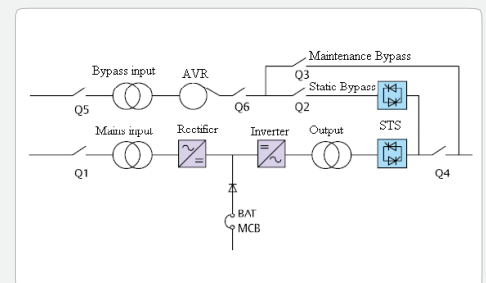
- Optional SNMP adapter
- Emergent alarm via SMS/Email
- Modbus for remote management



Environment Monitoring Solution

Customized design

- External bypass cabinet
- Input/Bypass isolation transformer
- Active/Passive filter
- Lightning protection box
- Energy reverse absorber for industrial applications (feedback protection)
- The integration of dehumidifier (Suitable for humid environment)
- Sound and light alarm device



Customized Design Structure

High-end intelligent power protection solution

Technical Specifications

MODEL	ST-UK3110S/ ST-UK3110	ST-UK3115S/ ST-UK3115	ST-UK3120	ST-UK3130	ST-UK3140	ST-UK3150	
INPUT	Voltage (Vac)	380 ± 25%					
	Rectifier Frequency (Hz)	50/60 ± 5% (10% optional)		40~65			
	SYNC Frequency Tracking (Hz)	50/60 ± 5% (10% optional)		50/60 ± 5%			
	Phase	3 φ 4W+PE					
OUTPUT	Capacity (KVA)	10	15	20	30	40	50
	Power Factor	0.9					
	Phase	1 φ 2W+PE					
	Voltage (V)	220 ± 1%					
	Frequency (Hz)	50/60 ± 0.5% (battery mode)					
	Waveform	Pure sine wave THD < 3% (linear load)					
	Overload	105%~125% load for 10 mins, 125%~149% load for 1min, >150% load for 1 second		105%~125% load for 10 mins, 125%~149% load for 1min, >150% load for 20 seconds			
Transfer Time	0						
BATTERY	Voltage (Vdc)	192		348			
	BATT Type	32×7Ah12V/ External	48×7Ah 12V/ External	External			
	Charger Current (A) Max	3/5		10~20 setting			
	Maintenance Bypass Switch	Optional		Standard			
OTHER	Communication Interface	RS232/RS485 and dry contact (CANBUS/MODBUS and SNMP adapter are optional)					
	Display	LCD Display indicates frequency, voltage, load, battery voltage, etc. LED indicates running status					
	Alarm	Low battery, abnormal AC input, overload, UPS failure					
	Protection	Low battery, overload, output over voltage, short-circuit, over temperature					
	Noise (dB)	<60		<65			
	Working Temperature	0~40℃					
	Relative Humidity	0~95%, No condensation					
IP Rating (Enclosure)	IP 42						
Dimension (W×D×H) (mm)	400×800×1180/350×780×720			400×800×1180			
Weight (Kg)	Standard/ Long backup	250/130	320/160	205	230	270	300

◆ Specifications are subject to change without prior notice.



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