

Online Transformer-based UPS

FR-UK33A Series Online UPS (10-200kVA)

Main Features:

- Online double conversion
- IGBT inverter and output isolation transformer
- Wide input voltage range
- 3 phases UPS allow 100% unbalance load
- Fully DSP control, high reliability and performance
- DC cold start function
- Advanced battery charging management
- Intelligent fan speed control
- ECO mode and EPO function.
- Intelligent RS232/RS485 communication port
- MODBUS & SNMP adapter (optional)
- Advanced no-master-slave parallel technology (optional)
- Intelligent battery monitor system – MMBM (optional)
- Bypass isolation transformer (optional)

Application:

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



Specification:

MODEL	FR-UK 3310A/FR- UK3310AS	FR-UK 3320A/FR- UK3320AS	FR-UK 3330A/FR- UK3330AS	FR-UK 3340A	FR-UK 3350A	FR-UK 3360A	FR-UK 3380A	FR-UK 33100A	FR-UK 33120A	FR-UK 33160A	FR-UK 33200A	
INPUT												
Voltage(Vac)	208/220 ±20% (±25% optional)											
Rectifier Frequency(Hz)	40~70											
SYNC Frequency Tracking(Hz)	50/60±10%(±5% optional)											
Phase	3 ϕ 4W+PE											
OUTPUT												
Capacity (kVA)	10	20	30	40	50	60	80	100	120	160	200	
Power Factor	0.8 (0.9 optional)											
Phase	3 ϕ 4W+PE											
Voltage (Vac)	L-N: 120/127±1%, L-L:208/220±1%,											
Frequency(Hz)	50/60±0.5% (battery mode)											
Waveform	Pure sine wave, THD≤3% (linear load)											
3 Phases 100% Load Unbalance Voltage Stability	≤2%, allow 100% unbalance											
Overload	105% load for 60mins, 125% load for 10 mins, 150% load for 1 min.											
BATTERY												
Voltage (Vdc)	192			348 (360 setting)								
BATT Type	External /Max 7Ah 12V 64pcs			External								
Charger Current(A) Max	10~40A setting											
Battery Self-testing	Automatically alarm and estimate battery status in battery abnormal status											
OTHER												
Maintenance Bypass	Yes											
Communication Interface	MODBUS/RS485 and dry contact (RS232 and SNMP adapter are optional)											
Display	LCD Display indicates frequency, voltage, load, battery voltage, etc. LED indicates running status											
Alarm	Overload, abnormal AC input, low battery, UPS failure											
Protection	Low battery, overload, over temperature, short circuit, output over voltage, output low voltage											
Noise (dB)	<65											
Working Temperature	0 ~ 40℃											
Relative Humidity	0 ~ 95%, No condensation											
Dimension (W×D×H)(mm)	500×800×1180 /500×800×1600			800×800×1600			1400×1000×1850			1600×1000 ×2000		
Weight(Kg)	300/500	325/530	340/540	590	620	670	970	1000	1200	1450	1700	

- ◆ The UPS power capacity above 200KVA can be customized.
- ◆ Specification is subject to change without prior notice.