

# FR-UK 33A Series Online UPS (10-200kVA)



## Main Features:

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



**Application:** Computer Room, Data Centre, Precision Instrument, Intelligent Equipment

MODEL		FR-UK 3310A	FR-UK 3320A	FR-UK 3330A	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	40 - 65											
	SYNC Frequency Tracking	50/60 ± 5% (±10% optional)											
	Phase	3Φ 4W+PE											
OUTPUT	Capacity (KVA/W)	10/8	20/16	30/24	40/32	50/40	60/48	80/64	100/80	120/96	160/128	200/160	
	Phase	3Φ 4W+PE											
	Voltage (V)	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	110% load for 30 minutes, 125% load for 10 minutes, 150% load for 1 minute											
BATTERY	Voltage (Vdc)	12Vx16=192			12Vx29=348								
	Batt Type	External											
	Charger Current (A) Max	10-40A setting											
	Battery Self-testing	Automatically alarm and estimate battery status in battery abnormal status											
OTHER	Communication Interface	RS232/RS485 and dry contactor (MODBUS and SNMP adapter are optional)											
	Maintenance Bypass Switch	Yes											
	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°C											
	Relative Humidity	0-95% (no condensation)											
	Dimension (WxDxH)mm	500x800x1180			1000x800x1180			1200x800x1600		1800x800x1600		2700x800x2000	
	Weight (kg)	300	327	340	606	611	640	990	1000	1200	1450	1700	

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