



FR-UK33 Series

(10-600kVA)

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

Advanced Technology:

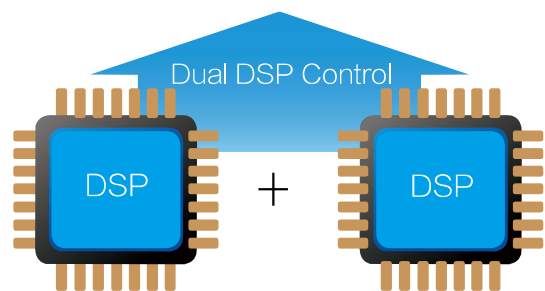
- Online double conversion
- Wide input voltage range
- IGBT inverter and output isolation transformer
- Advanced battery charging management
- Advanced no-master-slave parallel technology (optional)

Excellent Flexibility:

- Allow 100% three phase unbalance load
- Intelligent RS232/RS485 & DB9 dry contact communication port
- DC cold start function (optional)
- Intelligent battery monitor system-MMBM (optional)
- MODBUS & SNMP adapter (optional)

Green & Reliability:

- High reliability DSP control
- Intelligent fan speed control
- Full protection function
- ECO mode and EPO function
- Efficiency 98% at ECO-mode
- 10,000 events logs
- Battery self-test function
- 12 Pulse rectifier (optional)
- Bypass isolation transformer (optional)



Specification:

MODEL	FR-UK 3310	FR-UK 3320	FR-UK 3330	FR-UK 3340	FR-UK 3360	FR-UK 3380	FR-UK 33100	FR-UK 33120	FR-UK 33160	FR-UK 33200	FR-UK 33250	FR-UK 33300	FR-UK 33400	FR-UK 33500- 12P	FR-UK 33600- 12P
INPUT															
Voltage (Vac)	380/400/415±25%														
Rectifier Frequency (Hz)	40~70														
SYNC Frequency Tracking (Hz)	50/60±10% (±5% settable)														
Phase	3 ϕ 4W+PE														
OUTPUT															
Capacity (KVA)	10	20	30	40	60	80	100	120	160	200	250	300	400	500	600
Power Factor	0.9														
Phase	3 ϕ 4W+PE														
Voltage (Vac)	L-N:220/230/240±1%, L-L:380/400/415±1%														
Frequency (Hz)	50/60±0.2 (battery mode)														
Waveform	Pure sine wave, THD≤2% (linear load)														
3 Phases 100% Load Unbalance Voltage Stability	≤2%, allow 100% unbalance														
Overload	125% load for 10mins, 150% load for 1 min														
BATTERY															
Voltage (Vdc)	348 (360 settable)									384 (348/360/372 settable)					
BATT Type															
Charging Current (A)	10~40A settable									10~100A settable					
OTHERS															
Maintenance Bypass	Yes														
Communication Interface	RS485, MODBUS, dry contacts (SNMP is optional)									RS232, RS485, dry contacts (SNMP is optional)					
Display	Touch screen + LED														
Alarm	Overload, abnormal AC input, low battery, UPS failure, etc.														
Protection	Low battery, overload, over temperature, short circuit, output over voltage, output low voltage, etc.														
Noise (dB)	< 65									< 70					
Working Temperature (°C)	0~40														
Relative Humidity	0 ~ 95%, no condensation														
Dimension (W×D×H)(mm)	500×600×1180			500×800×1600			700×800×1800			1400×1000×1850		1600×1000×1850		3000×1000×1850	
Weight (kg)	230	260		400	450	520	600	650	825	1280	1568	1830	2050	4500	

- ◆ Specification is subject to change without prior notice
- ◆ If the higher charging current is adjusted , the UPS capacity shall be derated.