

HUBNETIX Low Frequency 33 Series

10~800kVA Uninterruptible Power Supply



LF 3310K / LF 3320K / LF 3330K / LF 3340K / LF 3360K / LF 3380K



Features

- New generation of online double conversion digital UPS
- Advanced IGBT rectifier to have low THDi and high PF
- Wide input voltage range and frequency tolerance
- Flexibility of configurable battery quantity
- Front accessible module design for ease of maintenance
- Low output voltage THD
- Parallel redundancy
- ECO mode
- Cold start
- Provide LCD indication and audible alarm function
- Surge, short circuit and overload protection
- Intelligent battery management

MODEL (LF)	3310K	3320K	3330K	3340K	3360K	3380K
Capacity (VA/Watts)	10k / 9k	20k / 18k	30k / 27k	40k / 36k	60k / 54k	80k / 72k
INPUT						
Operating voltage range	380/400/415Vac (380-25%, 415+20%), (3Ph+N+PE)					
Operating frequency range	50/60Hz (±5Hz)					
Power factor	≥0.98(with filter)					
OUTPUT						
Output voltage	380/400/415Vac (±1%)					
Voltage frequency	50/60Hz (±0.05%)					
Crest factor	3:1 (Max.)					
Efficiency	>89%	>90%	>91%		>92%	
Harmonic distortion (THD)	<3% (linear load)					

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BYPASS						
Rated voltage	380/400/415Vac					
Rated frequency	50/60Hz					
Voltage protection range	Upper limit: +20% (+10%,+15%,+20% adjustable)					
	Lower limit: -40% (-10%, -20%, -30%, -40% adjustable)					
Frequency protection range	±10% (±2.5%, ±5%,±10%, ±20% adjustable)					
BATTERY						
Battery voltage	384Vdc					
SYSTEM FEATURES						
Transfer time	0 ms (Line mode ↔ battery mode)					
Overload	110%/60min ,125%/10min ,150%/1min					
LED display	Input, Inverter, Bypass, Battery, Output, Status					
LCD display	I/O voltage, frequency, power, power factor, battery voltage, current, battery status, load percentage, UPS status, history record					
Communication interface	Dry contact, RS232, RS485, SNMP card (Optional)					
Optional	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor, Bypass current-sharing inductor					
ENVIRONMENTAL						
Operating temperature	0°C ~ 40°C					
Storage temperature	-25°C ~ 55°C					
Humidity range	0 ~ 95% (non-condensing)					
Altitude	< 1500m					
Noise level	<60dB			<65dB		
PHYSICAL						
Dimension DxWxH (mm)	800x570x1195				760x880x1600	
Net weight (kg)	217	273	316	330	483	525
Shipping weight (kg)	272	328	371	385	553	595
STANDARDS						
Safety	IEC/EN62040-1;IEC/EN60950-1					
EMC	IEC/EN62040-2;IEC61000-4-2;IEC61000-4-3;IEC61000-4-4;IEC61000-4-5;IEC61000-4-6;IEC61000-4-8					

Ordering & Packaging Info

MODEL NUMBER	PART NUMBER	MODEL NUMBER	PART NUMBER	MODEL NUMBER	PART NUMBER
LF 3310K	HP-LF 3310K	LF 3330K	HP-LF 3330K	LF 3360K	HP-LF 3360K
LF 3320K	HP-LF 3320K	LF 3340K	HP-LF 3340K	LF 3380K	HP-LF 3380K

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The dimensions and specifications in this document are for reference purposes only and are subject to change without notice. Consult HUBNETIX Corp. for the latest dimensions and design specifications.

