

HUBNETIX Low Frequency 33 Series

10~800kVA Uninterruptible Power Supply



LF 33100K / LF 33120K / LF 33160K / LF 33200K / LF 33300K / LF 33400K / LF 33500K / LF 33600K / LF 33800K



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)	33100K	33120K	33160K	33200K	33300K	33400K	33500K	33600K	33800K
Capacity (VA/Watts)	100k / 90k	120k / 108k	160k / 144k	200k / 180k	300k / 270k	400k / 360k	500k / 450k	600k / 540k	800k / 720k
INPUT									
Operating voltage range	380/400/415Vac (-25%/+20%), (3Ph+N+PE)								
Operating frequency range	50/60Hz (±5Hz)								
Power factor	≥0.98(with filter)						≥0.85		
OUTPUT									
Output voltage	380/400/415Vac(±1%)								
Maximum output current	152A	182A	243A	304A	456A	608A	760A	912A	1216A
Output frequency	50/60Hz (±0.05%)								
Crest factor	3:1 (Max.)								
Efficiency	>92%			>92.5%	>93%	>94%	>95%		>96%
Harmonic distortion (THD)	<2% (linear load)								

Low Frequency 33 Series

10~800kVA Uninterruptible Power Supply



MODEL (LF)	33100K	33120K	33160K	33200K	33300K	33400K	33500K	33600K	33800K
Capacity (VA/Watts)	100k / 90k	120k / 108k	160k / 144k	200k / 180k	300k / 270k	400k / 360k	500k / 450k	600k / 540k	800k / 720k
BYPASS									
Rated voltage	380/400/415Vac								
Rated frequency	50/60Hz (auto-sensing)								
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						480Vdc		
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, settings								
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	<65dB					<70dB			
PHYSICAL									
Dimension DxWxH (mtr)	8.05x1.16x1.6		.945x1.4x1.9		1.04x1.64x1.9		1.04x2.8x1.9		1.1x3.9x1.95
Net weight (kg)	800	903	1219	1425	1800	2050	3700	4500	6400
Shipping weight (kg)	890	993	1349	1555	1950	2200	3950	4750	6700
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 33100K	HP-LF 33100K	LF 33200K	HP-LF 33200K	LF 33500K	HP-LF 33500K
LF 33120K	HP-LF 33120K	LF 33300K	HP-LF 33300K	LF 33600K	HP-LF 33600K
LF 33160K	HP-LF 33160K	LF 333400K	HP-LF 333400K	LF 333800K	HP-LF 333800K

HUBNETIX CORPORATION
71-75, Shelton Street, London, UK.
www.hubnetix.com

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.

