

# HUBNETIX Low Frequency 31 Series

## 6~40kVA Uninterruptible Power Supply



LF 3106K / LF 3110K / LF 3115K / LF 3120K / LF 3130K / LF 3140K



### 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)	3106K	3110K	3115K	3120K	3130K	3140K
Capacity (VA/Watts)	6k / 4.8k	10k / 8k	15k / 12k	20k / 16k	30k / 24k	40k / 32k
<b>INPUT</b>						
Operating voltage range	380Vac±20%, (3Ph+N+PE)					
Operating frequency range	50/60 Hz (±5%)					
Power factor	>0.97 (with filter)					
Maximum input current (A)	14	23	34	45	68	90

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Capacity (VA/Watts)	6k / 4.8k	10k / 8k	15k / 12k	20k / 16k	30k / 24k	40k / 32k
<b>OUTPUT</b>						
Output voltage	220Vac (±1%)					
Voltage frequency	50/60Hz (±1%)					
Crest factor	3:1 (Max.)					
Efficiency	6~8kVA: 85% online 10~30kVA: 90% online					
Harmonic distortion (THD)	<1.5% ( linear load)					
<b>BATTERY</b>						
Battery voltage	192Vdc				240Vdc	
<b>SYSTEM FEATURES</b>						
Transfer time	0 ms (Line mode → battery mode)					
Overload	>125% /1min, >150%/200ms					
LED display	Low battery voltage, Mains status, Inverter, Bypass, UPS failure, Overload					
LCD display	I/O voltage, Frequency, Battery voltage, Load percentage, Internal temperature					
Communication interface	RS232, SNMP (optional), Dry contact(optional)					
<b>ENVIRONMENTAL</b>						
Operating temperature	0°C ~ 40°C					
Storage temperature	-25°C ~ 55°C					
Humidity range	0 ~ 95% (non-condensing)					
Altitude	< 1500m					
Noise level	<55dB					
<b>PHYSICAL</b>						
Dimension DxWxH (mm)	585x305x864	798x409x1044		741x555x1200		800x600x1200
Net weight (kg)	105	125	200	235	336	380
<b>STANDARDS</b>						
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 3106K	HP-LF 3106K	LF 3115K	HP-LF 3115K	LF 3130K	HP-LF 3130K
LF 1102K	HP-LF 3110K	LF 3120K	HP-LF 3120K	LF 3140K	HP-LF 3140K

**HUBNETIX CORPORATION**  
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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.

