

# HUBNETIX Low Frequency 11 Series

## 1~15kVA Uninterruptible Power Supply

LF 1101K / LF 1102K / LF 1106K / LF 1110K / LF 1115K



### 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)	1101K	1102K	1106K	1110K	1115K
Capacity (VA/Watts)	1k/0.8k	2k/1.6k	6k/4.8k	10k/8k	15k/12k
<b>INPUT</b>					
Nominal voltage	220/230Vac				
Operating voltage range	165~275Vac				
Operating frequency range	50/60Hz (±5%)				
Power factor	>0.97 (with filter)				
Maximum input current (A)	6	10	34	56	80

# Low Frequency 11 Series

## 1~15kVA Uninterruptible Power Supply



MODEL (LF)	1101K	1102K	1106K	1110K	1115K
Capacity (VA/Watts)	1k/0.8k	2k/1.6k	6k/4.8k	10k/8k	15k/12k
<b>OUTPUT</b>					
Output voltage	220Vac(±0.5%) / 230Vac(±0.5%)				
Output frequency	50/60Hz(±0.5%)				
Crest factor	3:1 (Max.)				
Efficiency	1~8kVA: 85% online 10~30kVA: 90% online				
Harmonic distortion (THD)	<1.5%(linear load)				
<b>BATTERY</b>					
Battery voltage	48Vdc or 192Vdc		192Vdc		
<b>SYSTEM FEATURES</b>					
Transfer time	0 ms ( Line mode → Battery mode)				
Overload	>125% : 1min, >150%: 200ms				
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)	608x200x538 (48Vdc/Battery)		580x230x720	585x305x864	798x409x1044
	580x230x720 (192Vdc/Battery)				
Net weight (kg)	44/45	55/54	63	100	180
<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
<b>LF 1101K</b>	<b>HP-LF 1101K</b>	<b>LF 1106K</b>	<b>HP-LF 1106K</b>	<b>LF 1115K</b>	<b>HP-LF 1115K</b>
<b>LF 1102K</b>	<b>HP-LF 1102K</b>	<b>LF 1110K</b>	<b>HP-LF 1110K</b>		

**HUBNETIX CORPORATION**  
71-75, Shelton Street, London, UK.  
[www.hubnetix.com](http://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.

