

LFTR Series P

40-120KVA(3Ph - 3Ph UPS)

Online HF TRANSFORMER Less

VIVAT^K

Features

- * Advanced dual-core DSP control technology and 3-level technology
- * Output power factor 1.0
- * Active Power Factor Correction Technology, input power factor up to 0.99
- * System efficiency improved to 96%, energy saving rate is doubled
- * Working efficiency up to 99% in ECO mode
- * Dual input design, supporting independent bypass
- * Advanced digital and parallel technology, providing higher reliability than single system
- * Wide input voltage range, 50 / 60 Hz auto-sensing frequency
- * 50 Hz / 60 Hz frequency conversion mode
- * Compact internal layout, small footprint
- * Fan speed varies intelligently with temperature, reducing noise and extending its service life
- * Features strong fault tolerance, one fan damaged takes 50% of the load, two fans damaged take 30% of the load
- * Conformal coating technology to make UPS operate in harsh environment for a long time
- * Effective hardware and software protection, robust self-diagnosis function, abundant event log for future
- * Linear downgrading in low voltage input reducing batter discharging times
- * Flexible battery configuration setting, selectable batter numbers: 30 — 44 pcs
- * Digitally controlled charger (Max. 36 A)
- * Ability to switch on the UPS by battery in the absence of mains power (Cold start)
- * Zero switching time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted
- * Settable delayed start time when mains power is restored
- * 5 inches LCD colorful touch screen, friendly human & machine interface
- * Powerful background software for parameters configuration and online upgrade
- * Advanced multi-platform communication for UPS monitoring: RS232, USB, RS485, NET, dry contacts, SNMP card, Wi-Fi card and GPRS card
- * Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- * Options and accessories: RS232, USB, RS485, NET, parallel, LBS, dry contacts, EPO and battery temperature compensation interfaces supplied; optional SNMP card, Wi-Fi card, GPRS card, battery temperature sensor, EMD detector and SMS alarms



 **Anushri Systech Private Limited**

An ISO 9001:2008 Certified Company

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Capacity	40KVA / 40KW	60KVA / 60KW	80KVA / 80KW	100KVA / 100KW	120KVA / 120KW
INPUT					
Input Wiring	Three-phase five-wire (3Ø+ N + PE)				
Rated voltage	380 / 400 / 415 Vac				
Voltage range	304 ~ 485 Vac (No downgrading) 138 ~ 304 Vac (linear downgrading between 40% ~ 100% load)				
Rated frequency	50 / 60 HZ (Auto - sensing)				
Frequency range	40 ~ 70 HZ				
Power factor	≥ 0.99				
Bypass voltage range	-60% ~+20 % (settable)				
Total harmonic distortion (T HD'I	≤3%				
OUTPUT					
Output wiring	Three-phase five-wire (3Ø+ N + PE)				
Rated voltage	380 / 400 / 415 Vac				
voltage regulation	±1				
Frequency	Synchronized with utility in mains mode. 50 / 60 Hz ± 0.1% in battery mode				
Waveform	Sinusoidal				
Power factor	1				
Total harmonic distortion (THDV)	≤1% (Linear Load); ≤4%(Non linear load)				
Crest factor	3:1				
Overload	105% ~ 110% for 60 min, 110% ~ 125% for 10 min, 125% ~ 150% for 1 min, >150% for 0.2s				
BATTERIES					
DC voltage	±192 Vdc (±180 ~ ±264 Vdc settable) 40Kva Built in Battery: ±240 Vdc(80 pcs 9 Ah/12V)				
Number of battery	32 pcs (30-44 pcs settable)				
Charging current (rnaxo	12A	24A		36A	
Recharge time	Depend on the capacity of battery				
SYSTEM					
Efficiency	Max. 96% in online mode, 99% in ECO mode				
Transfer time	0ms				
Protections	Short-circuit, overload, overtemperature, excessive low battery, overvoltage, undervoltage, fans failure				
Max number of parallel connections	4				
Communications	Standard configuration: RS232, USB, RS485, NET, dry contacts; Optional configuration: SNMP card. Wi-Fi card. GPRS card				
Display	5 inches colorful LCD touch screen				
OTHERS					
Operating Temperature	0°C- 40°C				
Storage temperature	-25°C ~ 55°C (without battery)				
Relative humidity	(0% ~ 95%) non-condensing				
Altitude	≤ 1000 m: above 1000 m, downgrading 1% for each additional 100 m				
IP rating	IP20				
Noise level at 1 m	≤65dB				
Dimensions (W x D x H) (mm)	360 x 850 x 885	360 x 850 x 950	360 x 850 x 1200	440 x 850 x 1200	
Packaged dimensions (W x D x H) (mm)	450 x 940 x 1055	450 x 940 x 1120	450 x 940 x 1370	530 x 940 x 1370	
Net weight (kg)	95, 295 (built-in BAT)	130.5	156	198	
Gross weight (KG)	110, 310 (built - in BAT)	145	172	218.5	

* All specifications Subject to change without notice



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