

LFTR Series

U 30-200 KVA (3Ph - 3Ph UPS)

Online LF TRANSFORMER Based

VIVATK

Features

- * True Online double-conversion
- * DSP technology guarantees high reliability
- * True galvanic isolation transformer design
- * compatible for all kind of loads
- * intelligent battery management to prolong battery lifecycle
- * Independent ventilation enhance durable operation under harsh environment
- * Adjustable battery numbers
- * Accept dual-mains input (optional)
- * Parallel operation with upto 4 units (option)
- * Multiple Communication ports including MODBUS, USB, Dry contact, RS232 & SNMP (Optional)
- * Reverse phase frequency operation and supports non-neutral input



 **Anushri Systech Private Limited**

An ISO 9001:2008 Certified Company

A1, Ground Floor, O.No -167, N.No - 230, R.K.Mutt Road, RA Puram, Chennai - 600028. | GST: 33AAGCA8044B1Z5 |
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Technical Specification



CAPACITY	30KVA, 24 KW	40KVA, 32KW	60KVA, 48KW	80KVA, 64KW	100 KVA, 80KW	120KVA, 96KW	160KVA, 128KW	200KVA, 160KW
INPUT								
Nominal voltage	3×380VAC/400VAC (3Ph+N)							
Acceptable voltage range	285VAC ~ 475VAC							
Frequency	50/60 Hz ± 10%							
INVERTER								
Nominal voltage	3×380VAC/400VAC (3Ph+N)							
Precision	stationary ± 1%, Transitory; 5% (load variations 100-0-100%)							
Frequency	50/60 Hz synchronised ±1%, with mains absent ± 0.1 Hz							
Max.synchronisation speed	± 1Hz/s							
Waveform	pure sinewave							
Total harmonic distortion (THDv)	<2% (linear load), <5% (non linear load)							
Phase displacement	120°± 1% (balance load), 120° ± 2% (imbalance 50% of the load)							
Dynamic recovery time	3 cycles at 90% of the static value							
Admissible overload	110% for 10 min; 150% for 60sec; > 160% for 200 ms							
Admissible crest factor	3:1							
Admissible power factor	0.6 ~ 1 (inductive or capacitive)							
Imbalance output voltage @ 100% unbalanced load	<1%							
Current limit	High overload, short circuit: RMS voltage limit, High crest- factor current: peak voltage limit							
STATIC BYPASS								
Type	Solid state							
Voltage	3×380VAC/400VAC (3Ph+N)							
Frequency	50/60 Hz							
Activation criterion	Microprocessor control							
Transfer time	Zero							
Admissible overload	150% for 1 hour; 180% for 30 sec; > 200% for 200 ms							
Transfer to bypass	Immediate, for overloads above 160%							
Retransfer	Automatic after alarm clear							
MAINTENANCE BYPASS								
Type	Without interruption							
Current limit	3× 400V (3ph+N)							
Frequency	50/60 Hz							
Over all efficiency: line mode	90%	91%				92%		
battery mode	91%	92%				93%		
BATTERY AND CHARGER								
Battery type and numbers	12VDC × 32PCS (29 ~ 32 pcs adjustable)							
Nominal battery voltage	384 VDC (based on 32pcs batteries)							
Charging method	CC/CV							
Precision	± 1%							
Charging current	*Default 10A; maximum 40A; 5A@ full load							
Charging voltage	432 VDC (Based on 32 pcs batteries)							
PHYSICAL								
Dimensions,D×W×H (mm)	656× 405× 941	821× 432× 1159	975 ×554× 1286		975× 554		1051× 705 ×1646	
Net weight (Kgs)	193	278	365	471	573	650	760	840

* All specifications Subject to change without notice



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