

Low Frequency Online UPS Low Frequency Strar Series
LF33 10K-200K(3Ph in/3Ph out)

Key Features

1. Online double-conversion
2. DSP technology guarantees high reliability
3. True galvanic isolation transformer design
4. Control designed to withstand all kinds of loads
5. Intelligent battery management to prolong battery lifecycle
6. Redundant fan design and independent ventilation enhance durable operation under harsh environment
7. Adjustable battery numbers
8. Accept dual-mains input
9. Parallel operation with up to 4 units (option)
10. Variety of communication options available
11. Optional 7" touch LCD
12. Reverse phase frequency operation and supports non-neutral input



Application

Data center, Industrial equipment, Financial and Securities, Large Data rooms, Postal and Telecommunications, Energy and Electricity, Industrial and Commercial tax affair, Medical and Health Equipments

Technical Specification

MODEL	LF33 10K	LF33 20K	LF33 30K	LF33 40K	LF33 60K	LF33 80K	LF33 100K	LF33 120K	LF33 160K	LF33 200K
CAPACITY	10KVA /8KW	20KVA /16KW	30KVA /24KW	40KVA /32KW	60KVA /48KW	80KVA /64KW	100KVA /80KW	120KVA /96KW	160KVA /128KW	200KVA /160KW
INPUT										
Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)									
Acceptable Voltage Range	305VAC ~ 460VAC									
Frequency	46-54Hz or 56-64Hz									
INVERTER										
Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)									
Precision	Stationary: ±1% Transitory: ±5% (load variations 100-0-100%)									
Frequency	50/60 Hz synchronised ±1 %									
Max. Synchronisation Speed	±1 Hz/s									
Waveform	Pure Sinew ave									
Total Harmonic Distortion (THDv)	<2% (Linear Load)									
Phase Displacement	120° ±1% (balanced load)									
Dynamic Recovery Time	1 cycle at 98 % of the static value									
Admissible Overload	110% for 10min; 150% for 60sec ; >160% for 200ms									
Admissible Crest Factor	3:1									
Admissible Power Factor	0.6~1 (inductive or capacitive)									
Imbalance Output Voltage @ 100%	<1%									
Current Limit	High overload, short-circuit: RMS Voltage Limit									
STATIC BYPASS										
Type	Solid state									
Voltage	3 x 380VAC/400VAC (3Ph + N)									
Frequency	50/60 Hz									
Activation Criterion	Microprocessor control									
Transfer Time	Zero									
Admissible Overload	150% for 1 hour; 180% for 30sec; >200% for 200ms									
Transfer to Bypass	Immediate, for overloads above 160%									
Retransfer	Automatic after alarm clear									
MAINTENANCE BYPASS										
Type	Without interruption									
Voltage	3 * 400V (3Ph + N)									
Frequency	50/60 Hz									
Overall Efficiency	Line Mode	90%	91%	92%				93%		
	Battery Mode	90%	91%	93%				93%		
BATTERY & CHARGER										
Battery Type and Numbers	12VDC x 16 pcs					12VDC * 32 pcs (29-32 pcs adjustable)				
Nominal Battery Voltage	192 VDC					384 VDC (Based on 32pcs batteries)				
Charging Method	CC/CV									
Precision	±1%									
Charging Current	Max.: 40 A									
Charging Voltage	216 VDC					432 VDC (Based on 32pcs batteries)				
PHYSICAL										
Dimensions, D x W x H(mm)	656 x 405 x 817	656 x 405 x 941	840 x 432 x 1140		975 x 554 x 1286		1200 x 910 x 1680		1500 x 1140 x 1800	
Net Weight (Kgs)	180	205	295	330	451	519	950		1350	