LS33 10KVA-200KVA

Low Frequency Online UPS Legend Strar Series

LS33 10KVA-200KVA (3ph in / 3ph out)

Features:

- Online double-conversion
- DSP technology guarantees high reliability
- True galvanic isolation transformer design
- Control designed to withstand all kinds of loads
- Intelligent battery management to prolong battery lifecycle
- Redundant fan design and independent ventilation enhance durable operation under harsh environment
- Adjustable battery numbers
- Accept dual-mains input
- Parallel operation with up to 4 units (option)
- Variety of communication options available
- Optional 7" touch LCD
- 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

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Technical Specification:

MODEL	LS33 10K	LS33 20K	LS33 30K	LS33 40K	LS33 60K	LS33 80K	LS33 100K	LS33 120K	LS33 160K	LS33 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 % With mains absent ±0.1 Hz									
Max. Synchronisation Speed	±1 Hz/s									
Waveform	Pure Sinewave									
Total Harmonic Distortion (THDv)	<2% (Linear Load) ; <5% (Non-linear Load)									
Phase Displacement	120º ±1% (balanced load); 120º ±2% (imbalances 50% of the 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% 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 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%				
Overall Efficiency – 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	

* Product specifications are subject to change without further notice