

LS33 10KVA - 200KVA

Low Frequency Online UPS Legend Star Series

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

Key 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 Equipment

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Technical Specification:

MODEL	LS33 18K	LS33 20K	LS33 30K	LS33 40K	LS33 60K	LS33 80K	LS33 100K	LS33 120K	LS33 160K	LS33 200K
CAPACITY	180VA/80W	200VA/180W	300VA/240W	400VA/320W	600VA/480W	800VA/640W	1000VA/800W	1200VA/960W	1600VA/1280W	2000VA/1600W
Power Factor	0.9 PF									
INPUT										
Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)									
Acceptable Voltage Range	305VAC – 460VAC									
Frequency	48-54Hz or 58-64Hz									
INVERTER										
Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)									
Precision	Stationary: ±1%									
Frequency	Transient: ±5% (load variations 100-0-100%)									
Max. Synchronization Speed	50/60 Hz synchronized ±1 % 100Hz mains absent ±0.1 Hz									
Waveform	±1 Hz									
Total Harmonic Distortion (THDv)	Pure Sinewave									
Phase Displacement	±2% (Linear Load) / ±5% (Non-linear Load)									
Dynamic Recovery Time	120 ±1% (balanced load)									
Admissible Overload	120 ±2% (unbalances 50% of the load)									
Admissible Crest Factor	1 cycle at 95 % of the static value									
Admissible Power Factor	110% for 10min; 150% for 60sec; > 160% for 200ms									
Imbalance Output Voltage @ 100% Unbalanced Load	0.6-1 (inductive or capacitive)									
Current Limit	±1 Hz									
STATIC BYPASS										
Type	High overload, short-circuit; RMS Voltage Limit / High Crest-Factor current; Peak Voltage Limit									
Voltage	Solid state									
Frequency	3 x 380VAC/400VAC (3Ph + N)									
Activation Criterion	50/60 Hz									
Transfer Time	Microprocessor control									
Admissible Overload	Zero									
Transfer to Bypass	150% for 1 hour; 180% for 30sec; >200% for 200ms									
Retransfer	Immediate, for overloads above 160%									
MAINTENANCE BYPASS										
Manual Maintenance Bypass	Automatic after alarm clear									
Type	YES									
Voltage	Without interruption									
Frequency	3 x 400V (3Ph + N)									
Overall Efficiency	Line Mode	90%	91%	92%	93%	93%	93%	93%	93%	93%
	Battery Mode	90%	91%	92%	93%	93%	93%	93%	93%	93%
BATTERY & CHARGER										
Battery Type and Numbers	12VDC * 16pc	12VDC * 32 pcs (28-32 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										
Net Weight (Kg)	122	154	213	285	342	404	508	637	710	778
Gross Weight(Kg)	133	167	226	308	372	434	538	667	750	818
Dimensions, D*W*H(mm)	656*485*917	656*485*917	656*405*941	821*432*1159	975*554*1286	975*554*1286	975*554*1286	975*620*1326	1051*705*1646	1051*705*1646
Package Size(mm)	785*535*985	785*535*985	785*535*1110	990*560*1335	990*560*1335	1125*705*1485	1125*705*1485	1125*780*1535	1209*850*1835	1209*850*1835
Machine Features										
Self-Diagnostics	YES									
Overheat	Overheat protection function									
Display	LCD Display									
Operating Temperature	Working temperature 0 – 55°C									
Noise level in Decibel	Noise decibel is 70dB at 100% load, <100% debt: 35dB									
Humidity Range	Humidity range < 95% non-condensing									
Program Compatibility	Software Compatible with Hewlett-Packard- Windows7-10 2003 2008- 2012-Linux & MAC									
Surge Protection Function	This UPS has surge protection function, and we do not recommend adding a surge protector externally. (Adding a surge protector to the leakage switch will cause power failure)									
* Product specifications are subject to change without further notice										