

Low-Frequency Type

ONLINE UPS

LT-A-33 SERIES 10KVA-200KVA

3 PH INPUT / 3 PH OUTPUT

FEATURES

- ◆ Optional 7 " touch LCD.
- ◆ Online double-conversionDSP 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.
- ◆ Adiustable battery numbers.
- ◆ Accept dual-mains input.
- ◆ Parallel operation with up to 4 units (option).
- ◆ Variety of communication options available.
- ◆ Reverse phase frequency operation and supportsnon-neutral input.

APPLICATIONS:

- ◆ Telecommunication / Electric power and energy sources / Finance / Securities Hospital devices / School,Aviation / Airport / Taxation and Industrialequipment.



SPECIFICATION

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MODEL	LT-A-33 10K	LT-A-33 20K	LT-A-33 30K	LT-A-33 40K	LT-A-33 60K	LT-A-33 80K	LT-A-33 100K	LT-A-33 120K	LT-A-33 160K	LT-A-33 200K
Rated Capacity	10KVA / 8KW	20KVA / 16KW	30KVA / 24KW	40KVA / 32KW	60KVA / 48KW	80KVA / 64KW	10KVA / 80KW	120KVA / 96KW	160KVA / 128KW	200KVA / 160KW
MAIN CIRCUIT INPUT DATA										
Input Voltage Range (Vac)	380 / 400 / 415 ; 165 ~ 280 (Ph - N) / 285 ~ 485 (Ph - Ph)									
Number Of Phases	3 Phase + N + PE									
Input Frequency Range (Hz)	50 ± 5 (± 10%) ; 60 ± 5 (± 10%)									
Input Power Factor	≥ 0.7 (Non-Filter) ; ≥ 0.97 (With Filter)									
Rectification Technology	Silicon Controlled Rectifier (SCR)									
THDI	< 50% (Non-Filter) ; < 15% (With Filter)									
BYPASS INPUT DATA										
Input Voltage Range (Vac)	176 ~ 264 (Ph - N) / 304 ~ 456 (Ph - Ph)									
Number Of Phases	3 Phase + N + PE									
Frequency Tracking Range (Hz)	50 ± 5 (± 10%) ; 60 ± 5 (± 10%)									
Generator Connection	Support									
Overload Capacity	150%~180% 1h~300s ; > 180% 300s									
OUTPUT DATA										
Output Voltage (Vac)	3 X 380VAC / 400VAC / 415VAC (3 Ph + N)									
Output Voltage Regulation Accuracy	± 1%									
Output Active Power	0.8									
Output Frequency (Hz)	Mains Mode : (50 / 60) ± 0.01 Hz ; Battery Mode : (50 / 60) ± 0.01 Hz									
Output waveform	Pure Sine Wave									
THD	Resistive Load : ≤ 2% ; Non - Linear Load : ≤ 4%									
Mains-To-Battery Conversion Time	0 ms									
Efficiency (%)	Linear Mode: 89% ; Battery Mode: 90%		Linear Mode: 90% ; Battery Mode: 91%				Linear Mode: 91% ; Battery Mode: 92%			
Overload Capacity	≤ 110% : 60 Minutes; ≤ 125% : 10 Minutes; ≤ 150% : 1 Minutes; > 150% : 200 ms									
RECTIFICATION										
Type	6 Pulses									
Rated Output Voltage	384 Vdc									
Charge Voltage	395 Vdc ~ 435 Vdc (Adjustable)									
BATTERY										
Type	Sealed Valve - regulated Lead - acid Battery (VRLA)									
Battery Voltage (Vdc)	12Vdc * 32 Pcs (29~32 Pcs Adjustable) ; 348 / 360 / 372 / 384 Vdc									
Charging Capability	Max. = Capacity (KW) / Bat. Voltage (Real Time) * The max. current will never be higher than 40A		Max. 40A ; 5A @ Full Load							
COMMUNICATION AND MANAGEMENT										
Communication Function	RS232, USB, RS485, Dry Contacts; One Slot For Communication Card, Can Accommodate SNMP Card.									
Control Panel	3.5 - Inch LCD Screen; 7 - Inch Full - Color Touch Screen (Optional)									
Warning Function	Output Overload, Abnormal Mains Power Supply, UPS Failure, Low Battery Voltage, Supports Historical Record Querying									
Protection Function	Output Short - Circuit, Output Overload, Over - Temperature, Low Battery Voltage, Output Over - Voltage And Under - Voltage, Fan Failure, Lightning Protection									
OTHER FUNCTIONS										
ECO Mode / EPO Function	Support									
Power-Up Function	Support (*)									
Synchronous Controller	Optional (*)									
Type	VFI-SS-111									
Battery Charging Standard	DIN 41773									
Parallel Number	4 Pcs									
ENVIRONMENTAL CONDITIONS										
Operating Temperature (℃)	0 ~ 55℃									
Storage Temperature (℃)	-25 ~ 55℃ (Excluding Battery)									
Relative Humidity	< 95% (Non - Condensing)									
Operating Altitude	0 To 1500M At 100% Load									
Audio Noise	70dB At 100% Load									
PROTECTION										
Protection Level	IP20									
Three-Proof Coating / Dust Screen	Support									
PHYSICAL CHARACTERISTICS										
Dimensions (W × D × H) (mm)	405 x 656 x 817		405 x 656 x 941	432 x 821 x 1159		554 x 975 x 1286		635 x 975 x 1326	705 x 1051 x 1646	
Weight (Kg)	118	145	193	278	365	471	573	650	760	790
EXECUTIVE STANDARDS										
Safety Regulations	IEC/EN 62040-1-1, IEC/EN 60950-1									
Electromagnetic Compatibility	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, EN5502									
Performance Testing	IEC 62040-3									
Environmental Requirements	IEC 62040-4									
Labeling	CE									

* indicates that this function can be achieved. Specifications are subject to change without prior notice.