



ARIET

ARIKSO LT33160H

Three-Phase UPS

Floor-standing type

Online double conversion



Data centers



Financial systems



Security video surveillance systems

Three-phase UPS ARIKSO LT33H with power rating 160kVA uses online double conversion technology, which makes it possible to completely eliminate all problems associated with the power grid and provide customers with stable and clean sinusoidal power supply.

The innovative design makes these UPSs exceptionally reliable and ensures high performance.

A high input power factor and minimal input current distortion ensure the UPS's environmental friendliness and safety, while high efficiency contributes to effective energy savings.



SCENARIOS

Small and medium data centers

Banks, processing centers, payment systems

Dispatching services, video surveillance and access control systems

Ensuring uninterrupted power supply for servers, data storage systems and network equipment

Stable power supply for critical financial systems and transaction platforms

Stable operation of security and control systems under an unstable power grid

BENEFITS

A wide input voltage range

allows the equipment to operate stably even under severe sags and fluctuations in the power grid. This ensures reliable protection of the connected load under unstable power supply conditions.

The use of a DSP processor

ensures precise control of all operating modes and a fast system response to load changes. As a result, operational stability and overall equipment reliability are improved.

A convenient interface makes device control simple and understandable even for an untrained user. All key parameters and settings are quickly accessible and displayed in a clear form.

An intelligent battery management system controls charging and discharging, preventing overloads and deep discharge. This extends battery life and improves their readiness for operation during a power outage.

N+X redundancy increases system reliability by adding backup modules that automatically compensate for the failure of any working module.

The presence of **RS485 interfaces, a relay card, USB, and an SNMP option** ensures convenient monitoring and integration of the UPS into dispatching and remote control systems.

Technical specifications

MODEL	LT33160H
Power	160 kVA
Input	
Phase	3 Phase 4 Wires and Ground
Rated Voltage	380/400/415Vac
Operating voltage range	138-485Vac
Operating frequency range	40–70 Hz
Power factor	≥0,99
Harmonic distortion (THDi)	<3% (100% non-linear load)
Bypass voltage range	Max.voltage: 220Vac +25% (optional +10%,+15%,+20%); 230Vac: +20%(optional +10%,+15%); 240Vac: +15% (optional +10%)
	Min. voltage:-45% (optional -10%, -20%,-30%)
	Frequency protection range: ± 10%
Generator input	Support
Output	
Phase	3 Phase 4 Wires and Ground
Output voltage	380/400/415Vac
Power factor	0,9
Voltage regulation	±1%
Output frequency	Utility Mode: ±1%/±2%/±4%/ ±5% ± 10% optional; Battery Mode: (50/60 ±0.1%)Hz
Crest factor	3:1
THD	<2% with linear load; ≤4% with non linear load
Efficiency	95,5%
Overload	Load≤110%, last 60min; ≤125%, last 10min; ≤150%, last 1min; >150% change to bypass
Battery	
Voltage	±180V/192V/±204V/±216V/±228V/±240/ ± 252/±264/±276/±288 / ±300Vdc(30/32/34/36/38/40/42/44/46/48/50pcs optional)
Charge Current	45A Max.
Transfer Time	Utility to Battery: 0ms; Utility to bypass: 0ms
Environment	
Operating temperature	0~40°C
Storage temperature	-25°C ~ 55°C(no battery)
Humidity range	0~95% (non condensing)
Noise level	<65 dB
Altitude	< 1500 m
Protection	
Alarm	overload, utility abnormal, UPS fault, battery low, etc
Protection	short circuit, overload, over temperature, battery low, fan fault alarm
Communication	USB, CAN, RS485, FE, LBS, Parallel card, Relay card, SNMP card(optional)
Physical	
Dimensions D*W*H(mm)	885*440*1200
Net weight (kg)	196
Standards	EN62040-1, EN62040-2