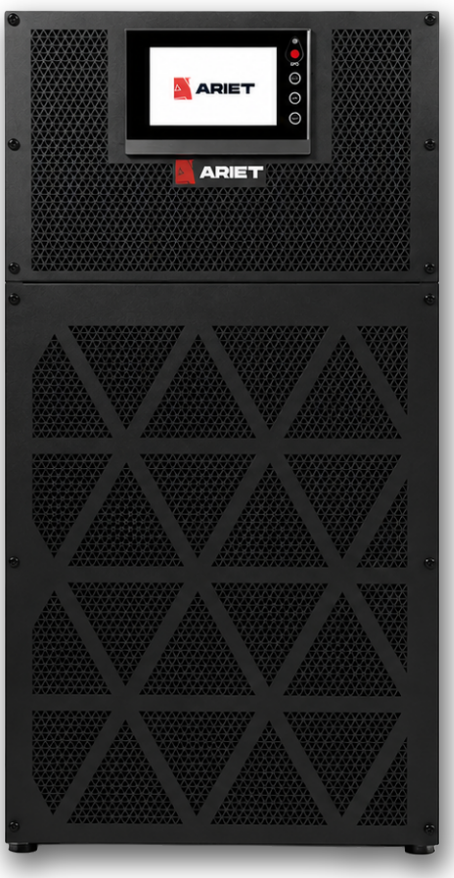
ARIKSO HVD3310S

Three-phase UPS

Tower UPS

Online double conversion



Data Centers

Construction organizations

Financial systems

Industrial enterprises

A three-phase, high-frequency UPS with online double-conversion topology designed to protect critical equipment from power outages and instability.

The cold start function allows you to turn on the power supply and power connected equipment solely from the batteries when there is no external 220V power supply. This ensures temporary operation of the equipment during a power outage.

The BASIC solution is open battery cassettes

OPTIONAL -
closed battery cassettes

SCENARIOS

Uninterruptible power supply for servers, data storage systems and network equipment

Stable power supply for critical financial systems and transaction platforms

Power supply for automation systems, controllers, servers, and monitoring systems

BENEFITS

Wide input voltage range — device automatically adapts to unstable and unstable power grids.

High reliability and environmental adaptability — a wide range of input parameters helps maintain operation even with unstable power supplies, reducing the risk of switching to batteries.

High-speed DSP digital processing and **N+X** parallel operation for increased reliability and redundancy flexibility.

High efficiency — up to **96%** in normal and battery mode—optimizes power consumption and heat dissipation, simplifying equipment placement and reducing cost of ownership.

Energy-efficient ECO mode and high input power factor (**≥ 0.99** at **100%** load) reduce energy loss and optimize operating costs.

A LCD touchscreen with IoT functionality makes monitoring and control easy, while a cold start function allows the unit to be run directly from batteries.

Compatibility with diesel generators allows for stable power supply even with fluctuating voltage and frequency, ensuring uninterrupted operation during extended power outages.

Allows flexible configuration and selection of the number of connected batteries in the battery system depending on the required autonomous operating time.

Technical specifications

MODEL	HVD3310S
Rate Power	10 kVA
Main input	
Input	3P5W (3P+N+PE)
Rate Voltage	380/400/415VAC (L-L); 220/230/240VAC (L-N)
Rate Freq	50/60Hz
Input PF	≥0,99
Current distortion THDi	< 2% (100% linear load)
Voltage range	304–478VAC (L-L) full load 304–228VAC (L-L) — power derate from 100% to 50%
Freq. range	40–70Hz
Battery	
Rate voltage	±240 VDC
Model	12VDC / 7~9 Ah The basic solution is open battery cassettes, (optional - closed battery cassettes)
Quantity	Internal BAT: 80 pcs., 12 cassettes
Charging capacity	17.2% × Pout
Charging accuracy	±1%
Bypass	
Rate voltage	380/400/415VAC (L-L); 220/230/240VAC (L-N)
Voltage range	Range:–40% ~ +25%, Settable, default –20% ~ +15%
Frequency range	50/60 Hz, settable: ±1Hz, ±3Hz, ±5Hz
Inverter	
Rate voltage	380/400/415VAC (L-L); 220/230/240VAC (L-N)
Rate Freq	50/60Hz
Output PF	1
Voltage accuracy	±1,0%
Output THDu	<1% (linear load); <5% (non-linear load)
Overload	110% — 1 hour; 125% — 10 mins; 150% — 1 min; >150% — 200 ms
Frequency accuracy	0,1%
Synchronize window	Settable ±0,5Hz ~ ±5Hz; default ±3Hz
Slew rate	Settable 0,5Hz/s ~ 3 Hz/s; default 0,5Hz/s
Crest factor	3:1
Phase Accuracy	120° ±0,5°
System	
Efficiency	up to 97%
Display	LED + 7" touch LCD
Certification- Safety	IEC62040-1, IEC60950-1
Certification- EMS	IEC62040-2; IEC61000-4-2 (ESD); IEC61000-4-3 (RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)
Configuration	USB, RS232, RS485, Dry contact, Air filter, Cold start
Option	SNMP-card, AS400-card, Parallel kit
Environment	0~40°C (operation) ; -25°C~70°C (storage) ; 0~95% (Humidity, non-condensing)
Physical parameters	
Dimension (W*D*H) mm	400*790*783
Weight(kg)	200