

High Frequency Rackmount UPS (10-20kVA)

Product Description

10-20kVA high-frequency rackmount UPS is based on on-line double conversion technology, which is the ideal power supply solution for small-capacity scenarios and eliminates all kinds of power grid problems. This model has three-phase input and single-phase output, adopts no centerline design, and can be flexibly configured with 16-20 lead-acid batteries to provide stable and high-quality power supply for the load, and is built into the server cabinet to save the space occupied by the UPS.

application scenarios

- AC power supply for small and medium-sized enterprises, branches of large enterprises, bank outlets and other miniaturized data center networks, communication systems, automatic control systems
- AC power supply for precision instruments and equipment

Characteristics and values



◆ environmentally friendly

- Wide voltage input range and frequency range, strong grid adaptability ECO operation mode is energy efficient and reduces user cost



◆ Well-protected

- Power on self-diagnostic function, DC start function
- Output overload, output short-circuit, inverter over-temperature, battery under-voltage warning and battery over-charging protection



◆ Intelligent management

- Support RS232/USB communication, optional SNMP card/Modbus card/dry contact card can set the charging current, constant current, constant voltage and float charging mode automatic smooth switching

10-20kVA Technical Parameters

Model		UR-0100NPL	UR-0150NPL	UR-0200NPL
Capacity		10kVA	15kVA	20kVA
Input	Wiring Patterns	Three-phase, five-wire		
	Rated input voltage	360/380/398/415VAC		
	Input voltage range	190~520VAC		
	Input frequency range	50/60Hz±6Hz		
	Input power factor	≥0.94		
	Input current harmonics	≤3% (100% nonlinear load), ≤5% (50% nonlinear load)		
Output	Wiring Patterns	Single-phase, three-wire		
	Rated output voltage	208/220/230/240VAC		
	Output power factor	Mains inverter:1.0 Battery inverter: 0.8 (16-17 cells)/0.9 (18-19 cells)/1.0 (20 cells)		
	voltage accuracy	±1%		
	Output frequency	On-line mode: following the utility frequency, Battery mode: (50/60±0.1%) Hz		
	Voltage harmonics	≤3%(resistive load), ≤5%(nonlinear load)		
	efficiency of the whole machine	> 95.0%		
	overload capacity	Utility mode: Load ≤110% for 30min; ≤130% for 10min; ≤150% for 30s. >150% for 200ms Battery mode: Load ≤110% for 10min; ≤130% for 1min; ≤150% for 10s. >150% for 200ms		
Battery	number of battery sections	16~20 knots, default 16 knots		
	Charging current	Default 1A,1~12A adjustable		
	Switching time	utility to battery 0ms,utility to bypass 0ms		
Environment	Operating Temperature	0°C~40°C		
	Storage temperature	-15°C~60°C(without battery)		
	humidity range	20~95% (non-condensing)		
	working altitude	<1000 meters		
Other	communication interface	RS232, USB, SNMP (optional), RS485 (optional), dry contact (optional), EPO (optional)		
	Dimension(mm)	438×680×87(W*D*H)		
	Net weight (kg)	19.5	19.7	20.9