

High Frequency Tower UPS (10-20kVA)

Product Description

Kunlun Power series 10-20kVA high-frequency tower UPS is based on on-line double conversion technology, which is the ideal power supply solution for small-capacity scenarios, and can eliminate all kinds of power grid problems. This model has three-phase input and single-phase output, tower installation, no centerline design, and can be flexibly configured with 16-20 lead-acid batteries to provide stable, high-quality power for the load.

application scenarios

- Small and medium-sized enterprises, branches of large enterprises, bank branches
- AC power supply for networks, communication systems, automatic control systems
- AC power supply for precision instruments and equipment
- Supermarkets, homes, offices and other AC-powered scenarios

Characteristics and values



◆ environmentally friendly

- 110VAC~300VAC wide voltage input range and frequency range, strong grid adaptability ECO operation mode is energy efficient and
- reduces user cost
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◆ Well-protected

- Self-diagnostic function, sound and light alarm at the first time when a fault is found
- 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		UE-0100NPL	UE-0150NPL	UE-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		
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		
Ei Pool	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℃~40℃		
	Storage temperature	-15℃~60℃(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)	190×660×330(W*D*H)		
	Net weight (kg)	19.8	20.0	21.0