

High Frequency Rackmount UPS (1-10kVA)

Product Description

Taihang Power series 1-10kVA 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 single-phase input, single-phase output, built-in battery, flexible and compact, which perfectly matches the rack mounting scenario.

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



Technologically advanced

- ◆ Double conversion on-line UPS, DSP full digital control
- Wide voltage input range and frequency range to avoid frequent switching to battery power



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

1-10kVA Technical Parameters

Model		UR-0010SPL UR-0010SPS	UR-0020SPL UR-0020SPS	UR-0030SPL UR-0030SPS	UR-0060SPL	UR-0100SPL
Capacity		1kVA	2kVA	3kVA	6kVA	10kVA
Input	Wiring Patterns	Single-phase, three-wire				
	Rated input voltage	208/220/230/240V AC				
	Input voltage range	110~300VAC				
	Input frequency range	50/60Hz±6Hz				
	Input power factor	≥0.99				
	Input current harmonics	≤4% (100% nonlinear load); ≤5% (50% nonlinear load)				
Output	Wiring Patterns	Single-phase, three-wire				
	Rated output voltage	208/220/230/240V AC				
	Output power factor	1				
	voltage accuracy	±1%				
	Output frequency	On-line mode: following the utility frequency, Battery mode: (50/60±0.1%) Hz				
	Current peak ratio	3:1				
	output voltage harmonics	≤3% (resistive load); ≤5% (non-linear load)				
	Overall efficiency (mains)	≥95%				
	Overall efficiency (battery)	≥85%				
	overload capacity	Utility mode:Load≤110%,last 30min;≤130%,last 10min;≤150%,last 30s;>150%,200ms				
Battery	The number of battery sections of the standard machine	2	4	6	16~20 knots, default 16 knots	
	number of battery sections for long machines	3	6	8		
	Charging current	1A	Default 1A, standard machine 1~4A, long machine 1~12A adjustable			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				
	Noise	< 45dB				
communication interface		RS232, USB, SNMP (optional), RS485 (optional), dry contact (optional), EPO (optional)				
long machine/labeling machine dimensions (WDH) (mm)		438*310*87	438*510*87			438*490*87
Net weight of long/standard machine (kg)		5.1/9.05	8.1/15.98	8.3/20.12	8.9	10.7