

High Frequency Rackmount UPS (10-40kVA)

Product Description

Taihang Power series UPS adopts on-line double conversion technology to provide customers with stable and pure sinusoidal power supply protection. With excellent electrical performance, perfect intelligent monitoring and network management functions, it can solve all kinds of power problems. High input power factor and low input current harmonics ensure the green and environmental protection of the product, and the high efficiency of the whole machine ensures the energy-saving of the product, which is a high-quality choice for small and medium capacity scenarios.

application

- Traffic Dispatch Center
- enterprise medium-sized data centers
- Telecommunications and network switching rooms
- financial branches and bank outlets
- AC power supply for precision instruments and equipment

Characteristics and values



◆ High reliability

- DSP digital control, the control system is more stable and reliable
- Adopt input power factor correction (PFC) technology, input power factor up to 0.99 ultra-wide input voltage range, adapt to the harsh grid environment
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◆ Intelligent management

- Intelligent charging management: 30-50 batteries quantity selectable
- Rich options, RS485 interface, parallel board, SNMP card (optional), dry contact card (optional)
- Event recording function, comprehensive monitoring of key parameters, to realize the failure of controllable and manageable



◆ Practicality

- Ultra-strong load-carrying capacity, strong load adaptability, compatible with generator operation
- 10/15/20kVA models are compatible with Triple-Triple/Triple-Single/Single switching supports 4 parallel and shared battery packs



◆ Convenience and flexibility

- Friendly human-machine interface, real-time monitoring
- 4.3-inch touch color screen, easy to operate
- Rack tower inter-rotation design, suitable for standard cabinets and general-purpose environments

10-40kVA Technical Parameters

Model		UR-0100TPL	UR-0150TPL	UR-0200TPL	UR-0300TPL	UR-0400TPL
Capacity		10kVA	15kVA	20kVA	30kVA	40kVA
Input	Wiring Patterns	three-phase five-wire or single-phase three-wire			Three-phase, five-wire	
	Rated input voltage	380/400/415 Vac or 220/230/240 Vac			380/400/415Vac	
	Input voltage range	138~485Vac or 85~270Vac			138~485Vac	
	Input frequency range	40Hz~70Hz				
	Input power factor	≥0.99				
	Input current harmonics	≤3% (100% nonlinear load); ≤5% (50% nonlinear load)				
	bypass voltage range	220Vac limit: 25% (optional +10%, +15%, +20%) 230Vac upper limit: 20% (optional +10%, +15%) 240Vac upper limit:15%(optional +10%) lower limit:-45%(optional -10%,-20%,-30%)				
	generator access	Support				
Output	Wiring Patterns	three-phase five-wire or single-phase three-wire			Three-phase, five-wire	
	Rated input voltage	380/400/415 Vac or 220/230/240 Vac			380/400/415Vac	
	Output power factor	0.9				
	Output frequency	Utility mode:±1%/±2%/±4%/±5%±10%;Battery mode:50/60±0.1%Hz				
	output voltage harmonics	≤2% (resistive load); ≤4% (non-linear load)				
	efficiency of the whole machine	> 95.0%				
	overload capacity	110% load for 60min, 125% load for 10min, 150% load for 1min				
Bat	Battery voltage	±180V/192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/34/36/38/40/42/44/46/48/50 sections available)				
	Charging current	5A max			10A max	
Switching time		Utility mode to bypass mode: 0ms (tracking); Utility mode to battery mode: 0ms				
Environment	Operating Temperature	0℃~40℃				
	Storage temperature	-25℃~55℃				
	humidity range	0~95% (non-condensing)				
	working altitude	<1500 m				
	Noise	< 55dB				
Other	communication interface	RS232, RS485, parallel card, dry contact card (optional), SNMP card (optional)				
	Dimension(mm) (W*D*H)	466×758×130			466×762×130	
	Net weight (kg)	23	23.5	24	26.5	29