

High Frequency Tower UPS (10-200kVA)

Product Description

Kunlun Power series UPS adopts on-line double conversion technology, which can fully eliminate all kinds of grid problems and provide customers with stable and pure sinusoidal power protection. Innovative design makes this series of products have high reliability and high performance. High input power factor and low input current harmonics ensure that the product is green and environmentally friendly, and high efficiency ensures that the product is energy efficient.

application scenarios

- Traffic Dispatch Center
- enterprise medium-sized data centers
- Telecommunications and network switching rooms
- financial branches and bank outlets
- corporate headquarters and branches

Characteristics and values



◆ High reliability

- Ultra-wide input voltage range, adapting to the grid environment Wide input frequency range, can be connected to diesel generators
- Output can withstand 100% three-phase unbalanced load, easy to use



◆ Efficient and green

- The efficiency of the whole machine is more than 95%
- Input power factor is up to 0.99, input harmonic current is less than 3%.
- Using independent digital DSP, inverter three-level technology



◆ Practicality

- Ultra-strong load-carrying capacity, strong load adaptability, compatible with generator operation supports 4 parallel and shared battery packs
- All circuit boards adopt three-proof technology to adapt to harsh environments



◆ Good ease of use

- 4.3-inch color touch screen, easy to operate
- Intelligent management functions, with RS485 interface, optional SNMP card and dry contact card battery 30 ~ 50 adjustable, reduce the cost of late equipment maintenance
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10-200kVA Technical Parameters

Model		UE-0100TPL	UE-0150TPL	UE-0200TPL	UE-0300TPL	UE-0400TPL	UE-0600TPL	UE-0800TPL	UE-1000TPL	UE-1200TPL	UE-1600TPL	UE-1800TPL	UE-2000TPL	
Rated capacity		10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA	180kVA	200kVA	
Input	Wiring Patterns	Three-phase, five-wire												
	Rated input voltage	380/400/415Vac												
	Input voltage range	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												
	Rated output voltage	380/400/415Vac												
	Output power factor	0.9												
	voltage accuracy	±1%												
	Output frequency	Utility mode: ±1%/±2%/±4%/±5%±10% can be set; Battery mode: (50/60±0.1%) Hz												
	Current Peak Ratio	3 : 1												
	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												
	Ei Pool	Battery voltage	±180V~±300Vdc (30~50 even sections optional)											
Charging current		5A max			10A max		15A max	20A max	30A max		40A 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 (1 meter distance)	< 55dB					< 58dB		< 60dB			< 65dB		
Function	alarm function	Various alarm functions, such as overload, utility abnormalities, UPS failure, battery undervoltage, etc												
	protection functions	Battery under-voltage, output over-under-voltage, short-circuit, overload, over-temperature, fan failure alarms												
	communication interface	CAN, RS485, FE, parallel card, SNMP card (optional)												
Other	Dimension(mm) (D*W*H)	720×250×535					868×250×862	885×440×1200				890×530×1300		
	Net weight (kg)	33	33.5	34	35	40	70.5	142	160	162	195	220		
	implementing standards	YD/T 1095-2018												