

HUBNETIX PRIME 33T HPK Series 10-80KVA 3 PHASE UPS

POWLINE
UPS SYSTEM



Description

HUBNETIX PRIME HPK 33T Series 3:3 Phase UPS, available in capacities ranging from 10 KVA to 80 KVA. Engineered to provide reliable and seamless power protection, this UPS series integrates advanced technology with superior adaptability. Featuring a high power density design, it ensures exceptional performance and flexibility, making it ideal for critical applications. Key highlights include intelligent monitoring, energy-saving modes, and comprehensive protection, all contributing to optimal functionality across a wide range of environments.

Features

- **High Power Density Design** with online double-conversion technology and DSP control for stable power.
- **N+X Parallel Redundancy:** Up to 4 units in parallel.
- **Input Voltage:** 208–478Vac, **Frequency:** 40–70Hz.
- **Optimized Battery Configurations:** Designed for extended runtime and efficient performance, with flexible battery support options.
- **Maximum Charging Current:** 20A (adjustable).
- **Dual Input Source** (optional for standard units).
- **Display Options:** 2.4-inch TFT LCD (7-inch optional).
- **ECO Mode** for energy savings and Intelligent Fan Speed Regulation.
- **Cold Start and Generator Compatibility** for reliable backup.
- **Frequency Converter Mode:** 50/60Hz.
- **Supports 100% Unbalanced Load** for reliable performance under uneven load conditions.
- **Comprehensive Protection:** Short-circuit, overload, overheat, and alarms for battery, low voltage, and fan faults.
- **Multiple Communication Interfaces:** USB, RS232, RS485, parallel port, dry contact. Optional SNMP card, relay card, and battery temperature sensor.

Applications

IDC (Internet Data Centre), Network, Servers and Workstations, Control system, Communication system, Office, PC, Health Care, Industrial

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10-80KVA 3 PHASE UPS

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Product Specification

Part#		HPK-PT3310L	HPK-PT3315L	HPK-PT3320L	HPK-PT3330L	HPK-PT3340L	HPK-PT3380L
Capacity		10kVA / 9kW	15kVA / 13.5kW	20kVA / 18kW	30kVA / 27kW	40kVA / 36kW	80kVA / 72kW
Input							
Nominal voltage		380/400/415Vac (3Ph+N+PE)					
Operating voltage range		305 ~ 478Vac (Full load); 208 ~ 478Vac (50% load)					
Operating frequency range		40 ~ 70Hz (50/60Hz Auto-Sensing)					
Power factor		≥0.99					
Bypass voltage range		Max.voltage: 220V: +25% (Optional +10%, +15%, +20%)					
		230V: +20% (Optional +10%, +15%)					
		240V: +15% (Optional +10%)					
		Min.voltage: -45% (Optional -20%, -30%)					
Frequency protection range		50/60Hz ± 10%					
ECO range		Same as bypass					
Harmonic distortion (THDi)		≤3% Linear load					
Output							
Output voltage		380/400/415Vac (3Ph+N+PE)					
Voltage regulation		± 1%					
Power factor		0.9					
Output frequency	Line mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency (Optional)					
	Bat. mode	50/60 (± 0.1%)Hz					
Transfer time		AC mode to Bat.mode 0ms					
		Inverter to Bypass 0ms					
Output waveform		Pure Sinewave					
Crest factor		3:1					
Harmonic distortion (THDv)		≤2% Linear load ≤5% Non linear load					
Overload	AC mode	≤110% 60min, ≤125% 10min, ≤150% 1min, > 150% immediately turn to bypass					
	Bat.mode	≤110% 10min, ≤125% 1min, ≤150% 5s, > 150% immediately shut down					
Efficiency							
Efficiency		Up to 93.5%		Up to 94.5%			
Battery							
Battery voltage		10~30kVA: ± 96/108/120Vdc; battery quantity (16~20pcs, 16pcs default, Standard unit and 20pcs no power derating; 18pcs output power factor 0.8/0.9; 16pcs output power factor 0.7/0.8)				40kVA: ± 180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs)	± 192V/ ± 204V/ ± 216V/ ± 228V/ ± 240Vdc (32/34/36/38/40pcs optional)
		± 180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs supportable)					
Charge Current		14A (Max.)	16A (Max.)	18A (Max.)	20A (Max.)	20A (Max.)	30A (Max.)
Physical							
W × D × H	Long run unit	250 × 580 × 655mm					360 × 828 × 868mm
Net weight	Long run unit	35kg	39kg	40kg	43kg	46kg	122kg
Environmental							
Operating temperature				0 ~ 40°C			
Storage temperature		-25 ~ 55°C (No battery)					
Humidity range		0 ~ 95% (Non condensing)					
Altitude		<1500m, derating required when>1500m					
Noise level		<55dB		<58dB	<61dB	<64dB	<63dB
Standards							
Safety		IEC/EN 62040-1, IEC/EN 62477-1					
EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)					

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design