



Images are for standard representation of rack mount UPS. Actual model may vary for different part numbers.

Description

The Hubnetix online UPS system is a high-performance power protection solution designed to ensure uninterrupted operation of critical equipment. Engineered with advanced control technology and a flexible form factor, it delivers reliable, clean power in both commercial and industrial environments. With intelligent features, adaptable configurations, and seamless integration capabilities, the system supports stable operation, energy efficiency, and long-term resilience. Ideal for data centers, telecom, and enterprise infrastructure, the Hubnetix UPS is built to meet the demands of modern power continuity.

Features

- Features an LCD display with Rack/Tower convertible form factor.
- Supports N+X parallel redundancy with up to 4 units in parallel.
- Utilizes online double conversion technology with DSP control.
- Input current harmonic distortion is less than 3%.
- Operates across a wide input voltage range of 208 to 478Vac.
- Accepts input frequency from 40Hz to 70Hz.
- Battery group configuration is flexible, allowing 30 to 50 units.
- Charging current is adjustable up to a maximum of 20A.
- Allows for dual power input sources.
- Supports 3/3, 3/1, and 1/1 power configurations.
- Compatible with generator power sources.
- ECO mode is available to reduce energy consumption.
- Cold start functionality is supported.
- Fan speed is automatically regulated for efficiency.
- Performs a self-test during startup.
- Can operate as a 50Hz or 60Hz frequency converter.
- Delivers full performance even with 100% unbalanced load.
- Includes protections against short circuit, overload, overheating, battery faults, and fan issues.
- Interfaces include RS232, RS485, parallel ports, intelligent slot for SNMP/relay cards, BMS (optional), EPO, output, and AUX maintenance ports.
- Optional PDU includes a maintenance bypass switch.

Technical Specification

MODEL	HPK-SP3310DL	HPK-SP1115DL HPK-SP3315DL	HPK-SP1120DL HPK-SP3320DL
Capacity	10kVA/10kW	15kVA/15kW	20kVA/20kW

INPUT

Nominal voltage	380/400/415Vac (3Ph+N+PE) for 3 phase 220/230/240Vac (L+N+PE) for single phase
Operating voltage range	208-478Vac
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%
Harmonic distortion (THDi)	≤3% Linear load

OUTPUT

Output voltage		380/400/415Vac (3Ph+N+PE) for 3 phase 220/230/240Vac (L+N+PE) for 3 phase
Voltage regulation		±1%
Power factor		1.0
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	Line mode	Load≤110%: last 60min; ≤125%: last 10min; ≤150%: last 1min; ≥150% turn to bypass mode immediately
	Bat. mode	Load≤110%: last 10min; ≤125%: last 1min; ≤150%: last 5s; ≥150% shut down UPS immediately
	Bypass mode	Breaker (Load < 125%, long-term operation)

EFFICIENCY

Efficiency	Up to 94.5%	Up to 95%
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BATTERY

Battery voltage	±180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs settable)	
Charge current	18A Max.	20A Max.

PHYSICAL

Dimension W×D×H	443×580×131mm (3U)		
Net weight	29kg	31kg	32kg

ENVIRONMENTAL

Operating Temperature	0°C ~ 40°		
Storage temperature	-25°C ~ 55°C		
Humidity range	0~95% (Non-condensing)		
Altitude	<1500m, derating required when>1500m		
Noise level	<55dB	<58dB	

STANDARDS

Safety	IEC/EN 62040-1, IEC/EN 62477-1
EMC	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)

BATTERY SYSTEM

Part #	HPK-EBP40-240VDC9AH-R
Typical battery recharging time	6~8 hours (To 90% of full capacity)
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature
System voltage	±240Vdc
Battery type & quantity	VRLA (Lead acid maintenance free battery) 1×40 PCS
Capacity	9Ah (12V)

PHYSICAL

Dimension W×D×H	482×861.5×175mm (4U)
Net weight	138kg/154kg

ENVIRONMENT

Safety	CE
Operating environment	0°C~40°C
Relative humidity	0~95% (Non condensing)
Noise level	<40dB at 1 Meter

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