



POWLINE
UPS SYSTEM

HUBNETIX SUPREME PRO

Online Single-Phase Double-Conversion UPS 1KVA~3KVA



Description

HUBNETIX offers POWLINE SUPREME PRO Single-Phase UPS family, ranging from 1KVA to 10KVA, is a high frequency online Double conversion UPS available in Rack or Tower with fully DSP controlled technology provides mission-critical equipment with the highest level of power protection. With internal batteries and optional extended run time models, they can be maintained or replaced without removing the UPS from the rack mount. These SUPREME PRO UPSs can achieve power expansion with Long Backup time capacities ranging from HPK-SP1101L to 10L, which allows to add battery modules in parallel depending on the needs.

Features

- Wide range of input voltage while input PF>99%
- 19" Rack Mount Design
- DSP (Digital Signal Processor) Control Technology
- High output Power Factor
- LCD/LED display, monitoring all the operation status
- Automatic fan speed adjustment
- Abundant interface: RS232, USB, SNMP, Intelligent Card
- Wide Input Voltage & Frequency
- Light weight and Compact
- CE Compliant

Applications

- IDC (Internet Dater Center), Network, Servers and Workstations, Control system, Communication system, Office, PC, Health Care, Industrial

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Technical Specifications

MODEL	HPK-SP1101L	HPK-SP111D5L	HPK-SP1102L	HPK-SP1103L
Capacity	1000VA / 900W	1500VA / 1350W	2000VA / 1800W	3000VA / 2700W
INPUT				
Nominal voltage	208/220/230/240Vac			
Input voltage range	110~300Vac (176~264Vac @ 100% load)			
Power factor	≥0.99			
FREQUENCY				
Frequency range	40~70Hz (50/60Hz Auto-Sensing)			
OUTPUT				
Output voltage	208/220/230/240Vac			
Voltage regulation	±1%			
Power factor	0.9			
Output frequency Line mode	46~54Hz or 56~64Hz			
Output frequency Bat. Mode	(50/60±0.1%)Hz			
Crest factor	3:1			
Harmonic distortion (THDv)	≤3% Linear load≤5% Non linear load			
Transfer time AC mode to Bat.mode	0ms			
Transfer time Inverter to Bypass	4ms (Typical)			
Output waveform	Pure Sinewave			
EFFICIENCY				
AC mode	89%	89%	91%	92%
Battery mode	85%	85%	87%	88%
BATTERY				
Battery number	2 3	3	4 6	6 8
Capacity (Standard unit)	9Ah/12V (7Ah/12V Optional)			
Typical recharging time	4 hours (To 90% of full capacity)			
Charging current (Max.)	6A/12A			
INDICATORS				
LED display	Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault			
LCD display	Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time			
ALARM				
Battery mode	Beeping every 4 seconds			
Battery low	Beeping every second			
Overload	Beeping twice every second			
Fault	Continuously beeping			
PHYSICAL				
Dimension W x D x H (mm)	440x325x86.5		440x600x86.5	
Net weight (kg)	5.6	8.1	10.5	11
ENVIRONMENT				
Operating temperature	0°C~40°C			
Storage temperature	-25°C~55°C			
Humidity range	20~95%RH @ 0~40°C (Non condensing)			
Altitude	<1500m,derating required when>1500m			
Noise level	<50dB at 1 Meter			
STANDARDS				
Safety	IEC/EN62040-1,IEC/EN62477-1			
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8			

**Standards, Specifications and design are subject to change without notice.

**Runtime varies with load, battery condition and other factors. *Runtimes are expandable using optional external battery packs.

HUBNETIX CORPORATION

71-75, Shelton Street, London, UK.

www.hubnetix.com

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HUBNETIX SUPREME PRO

Online Single-Phase Double-Conversion UPS 6KVA~10KVA



Description

HUBNETIX offers POWLINE SUPREME PRO Single-Phase UPS family, ranging from 1KVA to 10KVA, is a high frequency online Double conversion UPS available in Rack or Tower with fully DSP controlled technology provides mission-critical equipment with the highest level of power protection. With internal batteries and optional extended run time models, they can be maintained or replaced without removing the UPS from the rack mount. These SUPREME PRO UPSs can achieve power expansion with Long Backup time capacities ranging from HPK-SP1101L to 10L, which allows to add battery modules in parallel depending on the needs.

Features

- High Power Density
- LCD Display: Supports rack/tower convertible design.
- N+X Parallel Redundancy: Supports up to 4 units in parallel.
- Online Double Conversion: With full digital control.
- Optimized Battery Configuration: Settable battery quantity of 16, 18, or 20 pieces.
- Wide Input Voltage Range: 110 to 286V AC.
- Wide Input Frequency Range
- Generator Compatibility
- ECO Mode Operation: For energy saving.
- Self-Testing: Automatic self-test during UPS startup.
- Multiple Communication Interfaces: RS232, USB, and PO (optional relay card/SNMP card).
- Parallel Kit
- Maximum Charging Current: Up to 10A.
- Cold Start Capability
- Intelligent Fan Speed Regulation
- Multiple Protection Functions: Includes short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage, and fan fault alarms.
- Optional PDU with Maintenance Bypass Switch

Applications

- IDC (Internet Dater Center), Network, Servers and Workstations, Control system, Communication system, Office, PC, Health Care, Industrial

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Technical Specifications

MODEL		HPK-SP1106L	HPK-SP1110L
Capacity		6000VA / 5400W	10000VA / 9000W
INPUT			
Nominal voltage		208/220/230/240Vac	
Input voltage range		110~286Vac	
Power factor		≥0.99	
FREQUENCY			
Frequency range		40~70Hz (50/60Hz Auto-Sensing)	
OUTPUT			
Output voltage		208/220/230/240Vac	
Voltage regulation		±1%	
Power factor		0.9	
Output frequency Line mode		±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)	
Output frequency Bat. Mode		(50/60±0.1%)Hz	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% Linear load ≤5% Non linear load	
Transfer time AC mode to Bat.mode		0ms	
Transfer time Inverter to Bypass		0ms	
Output waveform		Pure Sinewave	
Overload	Line mode	Load≤110% last 60min; ≤125% last 10min; ≤150% last 1min; >150% turn to bypass mode immediately	
	Bypass mode	40A (Breaker)	63A (Breaker)
Efficiency		Up to 93.5%	Up to 93.5%
BATTERY			
Battery voltage		±96/±108/±120Vdc (Settable)	
Typical recharging time		6~8 hours (To 90% of full capacity)	
Charging current		Max.current 10A (Charging current can be set according to battery capacity)	
INDICATORS			
LED display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault	
LCD display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time	
ALARM			
Battery mode		Beeping every 4 seconds	
Battery low		Beeping every second	
Overload		Beeping twice every second	
Fault		Continuously beeping	
PHYSICAL			
Dimension W x D x H (mm)		440×625×86.5mm	
Net weight (kg)		16 kg	18kg
ENVIRONMENT			
Operating temperature		0°C~40°C	
Storage temperature		-25°C~55°C	
Humidity range		20~95%RH @ 0~40°C (Non condensing)	
Altitude		<1500m,derating required when>1500m	
Noise level		<55dB at 1 Meter	<58dB at 1 Meter
STANDARDS			
Safety		IEC/EN62040-1,IEC/EN62477-1	
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	

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