

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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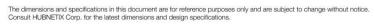


Technical Specifications

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	Continously 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	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				

HUBNETIX CORPORATION

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^{**}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 SUPREME PRO Online Single-Phase Double-Conversion UPS 6KVA~10KVA



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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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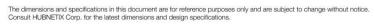


Technical Specifications

MODEL		HPK-SP1106DL	HPK-SP1110DL			
Capacity		6000VA / 5400W	10000VA / 9000W			
INPUT						
Nominal voltage		208/220/23	0/240Vac			
Input voltage range		110~286Vac				
Power factor		≥0.9≤	≥0.99			
FREQUENCY						
Frequency range		40~70Hz (50/60Hz Auto-Sensing)				
OUTPUT						
Output voltage		208/220/230/240Vac				
Voltage regulation		±1%				
Power factor		0.0				
Output frequency Line m	ode	±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 (THI	,	≤2% Linear load ≤5% Non linear load				
Transfer time AC mode t		0m	S			
Transfer time Inverter to Bypass			0ms			
Output waveform		Pure Sin				
Overload Lin	e mode	Load≤110% last 60min; ≤125% last 10min; ≤150% last 1min; >150% turn to bypass mode immediately				
. ,1	oass 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 mo	ode, 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 eve	ry second			
Overload		Beeping twice every second				
Fault		Continously beeping				
PHYSICAL						
Dimension W x D x H (mr	m)	440×625×8	6.5mm			
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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