

# Technical Specification

## UH2000 Series UPS

Single Phase Input/Output, 3K-10KVA UPS

### FEATURES

- Power factor  $\geq 0.99$ , energy saving
- Universal input voltage and frequency range  
110VAC to 300VAC/40 to 70Hz
- Intelligent battery performance management & fault detect functions
- Efficiency up to 93%
- Extensive self-protections: OVP, UVLO, OCP, OPP, short protection, OTP
- Robust load capacity: 110% load 10 minutes
- High reliability: modular design, redundant Aux power, and intelligent fan control
- Build-in bypass function
- Standard 19" rack type design, easy installation and maintenance
- Impact size, light weight

### 4S+R DESIGN CONCEPT

- Smart
- Stable
- Simple
- Saving
- Reliable



### PRODUCT OVERVIEW

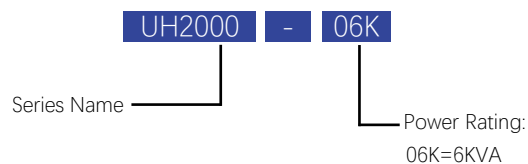
The UH2000 3-10KVA series high frequency, single phases input and single phase output UPS, provides efficient and cost-effective power system solutions. It adopts advanced DPS control technology and dual on-line convert topology align with extensive protections and power network management function, meet the unique demands of high reliable and stable power applications. Rack type design, impact size, light weight, maximize the flexibility for customer power demands.

The UH2000 3-10KVA series are designed to safety standards IEC60950 and IEC62040-1-1.

### TYPICAL APPLICATION

Intended applications for IT center of finance, telecom, insurance, transportation, taxation, education, government, enterprise, where requires safe and reliable uninterruptable power supply.

### Model Numbering



General Specification				
Model	Unit	03K	06K	10K
Power Rating	kVA	3	6	10
	kW	2.4	4.8	8
Main Input				
Input Type		L + N + Ground		
Rated Voltage	VAC	208/220/230/240		
Voltage Range	VAC	110-300V(50% Load) 160-280(100% Load)	110-300V(50% Load) 176-300(100% Load)	
Rated Frequency	Hz	50/60		
Frequency Range	Hz	40 to 70		
Input Power Factor		≥ 0.99		
Output				
Output Voltage	VAC	208/220/230/240		
Voltage Accuracy	%	±1		
Frequency (Line Mode)	Hz	47-53 or 57-63	46-54 or 56-64	
Frequency (Battery Mode)	Hz	50±0.25 or 60±0.3	50 or 60±0.1	
THD	%	≤ 3% (Linear Load) ≤ 6% (Non-Linear Load)	≤ 3% (Linear Load) ≤ 5% (Non-Linear Load)	
Switch Time				
Line to Battery Mode	ms	0		
Invert to Bypass Mode	ms	4 (Typ.)	0	
Overload Capacity	%	110%/10 Minutes, 130% /1 Minutes	110%/30 Minutes, 130% /5 Minutes	
Waveform		Pure Sine		
Efficiency				
Normal Mode	%	90	92	93
Battery Mode	%	88	90	91
Battery				
Battery Voltage	VDC	72 or 96 (2V/Cell)	192 or 240 (2V/Cell)	
Max. Charge Current	A	1A / 2A / 4A / 6A (Adjustable)		
Charge Voltage	VDC	82.1±1% or 109.4±1%	218.4 ± 1% (Based on 192VDC)	

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Communication				
Interface		RS232, USB (Support Window/Linux/Mac)		
Accessories (Optional)		SNMP		
Display		LCD: Load %, Battery, Line/Battery/ Bypass Mode, Fault		
Warning Information		Battery Mode: Beep for every 4S; Overload or Low Battery Voltage: Beep for every 1S; Fault: Continuous Beeping		
Size				
Depth	mm	410	500	580
Height	mm	438		
Width	mm	88		133
Weight (Net)				
Net Weight	Kg	14.2	15	18
Environment				
Operating Temperature	°C	0 to 40		
Humidity	%	0 to 95		
Noise	dB	≤ 50	≤ 55	≤ 58
Regulation				
Safety		IEC60950, IEC62040-1-1		
EMC		IEC62040-2, IEC602040-3		

\* All specifications are tested at 25°C ambient temperature, nominal input voltage, rated output power conditions unless otherwise specified.

\* We offer customized solutions and services, please contact us at [sales@densitypower.com](mailto:sales@densitypower.com)



This product is subject to the following operating requirements and the Life and Safety Critical Application Sales Policy:

Refer to: <http://www.densitypower.com>

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