

Technical Specification

US2000 Series UPS

Single Phase Input/Output, 6K-10KVA UPS

FEATURES

- Power factor 0.9, energy saving
- Intelligent battery performance management & fault detect functions
- ECO mode, efficiency up to 97%
- Extensive self-protections: OVP, UVLO, OCP, OPP, short protection, OTP
- Robust load capacity: 125% load 10 minutes
- Stable @ 100% unbalanced load
- Universal input voltage and frequency range
- High reliability: modular design, redundant Aux power, and intelligent fan control
- N+1 redundant, parallel up to 8 units
- Modular design, easy installation and maintenance
- Build-in bypass function
- Extensive options: Input isolated transformer, parallel sets, battery ground fault detector, SNMP, etc.

4S+R DESIGN CONCEPT

- Smart
- Stable
- Simple
- Saving
- Reliable



PRODUCT OVERVIEW

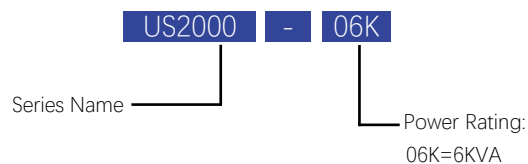
The US2000 6K-10KVA series single phases input and single phase output UPS, provides efficient and cost-effective power system solutions. It adopts advanced DPS control technology and dual on-line convert topology align with extensive protections and power network management function, meet the unique demands of high reliable and stable power applications. Parallel up to 8 units with accurate current sharing maximize the flexibility for customer power demands.

The US2000 6K-10KVA series are designed to safety standards IEC60950 and IEC62040-1-1.

TYPICAL APPLICATION

Intended applications for data center, security and surveillance system, light and monitoring center of petro, chemical, industrial automation, transportation, , medical, IDC, telecom and finance, where requires safe and reliable uninterruptable power supply.

Model Numbering



General Specification			
Model	Unit	06K	10K
Power Rating	kVA	6	10
	kW	5.4	9
Main Input			
Input Type		L + N + Ground	
Rated Voltage	VAC	220/230/240	
Voltage Range	VAC	165 to 275	
Rated Frequency	Hz	50/60	
Frequency Range	Hz	45 to 65	
Bypass			
Input Type		L + N + Ground	
Rated Voltage	VAC	220/230/240	
Voltage Range	VAC	165 to 275	
Frequency Range	Hz	50/60Hz \pm 5%	
Output			
Output Voltage	VAC	220/230/240	
Voltage Accuracy	%	\pm 1	
Frequency	Hz	50/60	
Power Factor		0.9	
Voltage Transient	%	\pm 5% (0% to 100% Load)	
THD	%	<1% (100% Linear Load), <4% (100% Non-Linear Load)	
Voltage Transient Response	mS	<5	
Frequency Syn.	Hz	\pm 2Hz (\pm 0.5Hz to \pm 3Hz, Configurable)	
Overload Capacity	%	125%/10 Minutes, 150% /1 Minutes	
Frequency Accuracy	%	\pm 0.5	
Waveform		Pure Sine	
Efficiency			
Normal Mode	%	92	
ECO Mode	%	97	
Parallel			
N + X		Up to 8 Units	
Battery			
Battery Voltage	VDC	192 (2V/Cell)	

General Specification			
Model	Unit	06K	10K
Power Rating	kVA	6	10
	kW	5.4	9
Communication			
Interface		RS232, RS485 (Support Window/Linux/Mac)	
Accessories (Optional)		SNMP	
Display		LCD + LED	
Size			
Depth	mm	550	
Height	mm	860	
Width	mm	310	
Weight (Net)			
Net Weight	Kg	75	110
Environment			
Operating Temperature	°C	0 to 40	
Humidity	%	0 to 95	
Noise	dB	≤ 55	
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



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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