SmartPower™
SYSTEMS
A POWER QUALITY COMPANY

Designed for:

Office Servers
Datacenters
Voice/Data Networks
Laboratory Products
Light Industrial Applications

SDC TOWER HV
1-3KVA UPS

HIGH PERFORMANCE TRUE ONLINE DOUBLE CONVERSION UPS

A multipurpose UPS dedicated to protect critical equipment from the toughest power conditions

The SDC Tower On-Line UPS offers high density, true double-conversion on-line power protection for servers, voice / data networks, medical labs, and light industrial applications. It provides protection from blackouts, brownouts, voltage fluctuations, surges, harmonic distortion and other troublesome power problems. When additional runtime is required, SDC models can be configured with matching external battery packs for expandable runtime demands. All units can be configured with UPSwing software to provide unattended shutdown of network operating systems, remote battery check and current run-time confirmation, including an intelligent slot for remote management options. The SDC Series delivers an efficient, clean, reliable power source for all demanding power environments, encompassing a very wide voltage and frequency input window, extremely tight a slim +/- 2% voltage regulation output, internal bypass switch, and >0.99% input power factor correction.
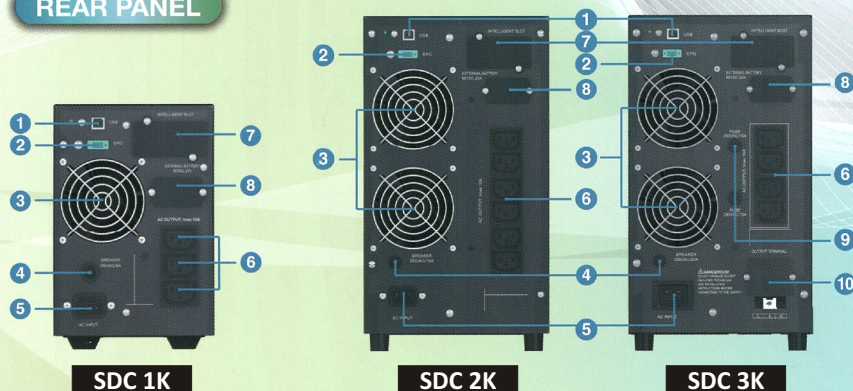
FEATURES

- DSP Control
- 0.8 Output Power Factor
- Wide Input Range
- High Efficiency Mode (ECO)
- Frequency Converter Mode
- Input THDi<5%
- Output Voltage Regulation <2%
- Output THDv<3%
- Auto Self-Testing System

- Extendable Run Time
- Power Management Software
- DB-9, USB and SNMP Communications
- Compact Design
- Pure Sinewave Output
- Real-Time LCD Display
- Zero Transfer Time
- 2 Year Warranty
- 4 Year Battery Replacement Program

1-800-882-8285

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Email sales@smartpowersystems.com • www.smartpowersystems.com

SDC 1K **SDC 2K** **SDC 3K**

1. USB Port
2. EPO
3. Cooling Fan
4. Input Breaker
5. Input Socket *
6. Output Socket
7. Intelligent Slot
8. Battery Connector
9. Fuse
10. Output Terminal

*: 1K/1KS/2K:10A socket; 2KS/3K:16A socket; 3KS:Terminal Block

MODEL			SDC 1K	SDC 1KS	SDC 2K	SDC 2KS	SDC 3K	SDC 3KS
CAPACITY	VA/W		1000VA/800W		2000VA/1600W		3000VA/2400W	
INPUT	Voltage Range		110~300VAC Depends on Load Level					
	Frequency Range		45-55Hz / 54-66Hz					
	Phase		Single Phase with Ground					
	THDI		< 5% with Full Load					
	Power Factor		≥0.99					
OUTPUT	Voltage		200/208220/230/240VAC					
	Voltage Regulation		±2%					
	Frequency (Synchronized Range)		45-55Hz/54-66Hz					
	Frequency (BAT Mode)		50/60Hz±0.2Hz					
	Current Crest Ratio		3:1					
	Harmonic Distortion		<3% @ Linear Load					
			<5% @ Non-Linear Load					
	Output Waveform		Pure Sine Wave					
	Overload Capacity	Line Mode	1min @105%-110% load 30s @110%-120% load					
		BAT Mode	10s@125%-150% 1s@>150%load					
EFFICIENCY	Line Mode		>88%					
	BAT Mode		>85%					
	ECO Mode		>93%		>94%			
BATTERY	Number of Batteries		3	Depending on The Capacity of External Batteries	8	Depending on The Capacity of External Batteries	8	Depending on the Capacity of External Batteries
	Battery Type		Sealed, maintenance-free lead acid		Sealed, maintenance-free lead acid		Sealed, maintenance-free lead acid	
	Backup Time (Full Load)		>5 Minutes		>9 Minutes		>5 Minutes	
	Recharge Time		5 Hours to 90%		5 hours to 90%		5 Hours to 90%	
	Charging Current		1A	8A	1A	8A 12A (Optional)	1A	8A 12A (Optional)
TRANSFER TIME	BAT <--> LINE		0ms					
	INV <--> BYPASS		<4ms					
	INV-->ECO		<4ms					
	ECO--> INV		<10ms					
INDICATOR	LCD		Load/Battery/Input/Output/Operating Mode Information					
AUDIBLE ALARM	BAT Mode		Sounding Every 4 Seconds					
	Battery Low		Sounding Every Second					
	Fault		Continuously Sounding					
	Overload Capacity		Sounding Twice Every Second					
DIMENSION	Tower Case (WxHxD)mm		145×220×400		192×347×460		192×347×460	
ENVIRONMENT	Operation Environment		0-45℃					
	Relative Humidity		20-90% (Non-Condensing)					
	Noise Level		<50dB @ Front 1 Meter					
INTERFACE	USB		UPSwing for Windows ME / XP/ Vista / 7 / Windows 2000 / 2003 / NT / Server 2008. UPSwing Pro™ for Linux, SCO Unix, Solaris, FreeBSD and Windows with networking capability is available.					
	External Slot		SNMP/AS400/Relay Card					
	EPO		Emergency Power Off					