



RELIABLE  
**BACKUP POWER**  
TRAFFIC SOLUTIONS

**DOUBLE CONVERSION BATTERY BACKUP**



**SSDC 1000**

1.0 kVa ◦ 0.8kW

- Standard SNMP Adapter for Ethernet
- Integral Webpage for Local/Remote Monitoring and Configuration
- Temp Compensated Battery Charger
- 2.8" SPI TFT LCD Display with Programmable Touch Panel Keypad
- True Sine Wave Output
- Comprehensive Alarm System
- At a glance indicator LEDs
- Battery Temp Sensor
- Uses Standard AGM or GEL Batteries
- Instantaneous transfer of power



**EXPERIENCE**

Signal Sense is an accomplished manufacturer and have been backing up intersections since 2003. Our experience in the industry is unsurpassed.

DOUBLE CONVERSION  
**UNINTERRUPTIBLE**  
POWER SUPPLY

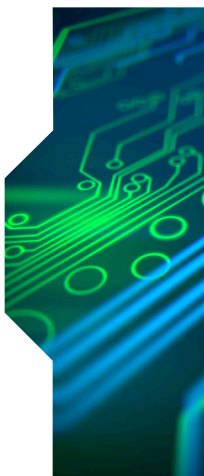
An uninterruptible power supply is essential for maintaining safety on the roadways and eliminates maintenance dispatchments for power anomalies. This ruggedized model can withstand harsh temperatures and conditions with remote access.

Signal Sense provides a true online double conversion power backup system that delivers a precision regenerated sine wave output. Digital Signal Processing (DSP) and Insulated Gate Bipolar Transistor (IGBT) technology are some of the many features the SSDC series provides. Whether it is intersection control, CCTV/ITS equipment, electronic message signs or weather stations Signal Sense has been providing quality and reliability since 2003.

**FULL PRODUCT LINE**

Traffic signals are a vital part of every community. We provide the durability and reliability you need to keep intersections safe and responsive in all circumstances.

- Traffic UPS Systems
- Power Modules
- Battery Backup Cabinets
- Batteries



# DOUBLE CONVERSION BATTERY BACKUP SSDC 1000



PRODUCT		SSDC1000 1kVa 0.8kw	
<b>Input</b>			
AC Input	Number of phase/wire	Single Phase / 3 wire	
	Nominal voltage	SSDC1000 120v	
	Voltage Range	85v to 144v	
	Rated Frequency	60 Hz	
	Frequency Range	Within ±1% of rated frequency	
	Input Protection	30A breaker	
	Power Factor	0.95 or greater	
<b>Output</b>			
AC Output	Rated Output Capacity	800 Watts	
	Number of phase/wire	Single Phase / 3 wire	
	Power Factor	0.8	
	Nominal voltage	SSDC1000 120v	
	Voltage Regulation	±2% of rated frequency	
	Rated Frequency	60Hz	
	Frequency Regulation	Within ±1% of rated frequency, On Battery Operation ±0.5%	
	Voltage Waveform	True Sinewave	
	Voltage Harmonic Distortion	Linear Load 3% or less, Rectifier Load 8% or less	
	Transient Voltage Fluctuation	For loss or retrun of input power - Within ±5% of rated voltage	
		For abrupt input voltage change - Within ±5% of rated voltage	
Overcurrent Capacity	Double Conversion mode 105% for 200 ms		
MTFB	125,000 hours		
Power Transfer	0 milliseconds		
Nominal Heat Dissipation	130w		
Over Current Protection	Automatic transfer to bypass (with automatic retransfer function)		
<b>Communications &amp; Management</b>			
Interface Ports	Standard SNMP Ethernet interface with integral webpage for status monitoring and configuration		
Alarm Contacts	Form C relay {C-NO-NC} 2A max Battery Status, Timer, Low Battery, Battery Temperature, UPS Failure		
Dlsplay & Keypad	2.8" SPI TFT LCD Display Touch Panel		
<b>Environment</b>			
System Cooling	Fan Forced Air, Channelized		
Temperature Range	-34°c to +74 °c, NEMA TS2		
<b>Physical</b>			
Unit Dimensions	17.25" W 13.5" D 3.46" H 19" Rack Mountable		
Construction	DSP ( Digital Signal Processing) & IGBT throughout		
<b>Safety</b>			
Safety Standards	UL 1778 5th Edition, CSA C22.2 No. 107.3-14 (3rd Edition) CE (EN 62040-1:2008/A1:2013)		
EMC Standards	VCCI Class A, FCC Part 15 Subpart B Class A, EN 62040-2, C2:2010, EN 55022:2010 Class A, EN62040-2:2006, EN 55024:2010		
<b>Battery</b>			
Type	AGM or GEL Standard off the shelf		
Connection	Front Panel Anderson Connector		
Backup Time	Up to 8 hours or more contingent on battery size		
Charger	Temperature Compensated-user adjustable from 0 to -6mV/ C		

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