



RELIABLE
BACKUP POWER
TRAFFIC SOLUTIONS

DOUBLE CONVERSION BATTERY BACKUP



SSDC SERIES

Available in three power models
1.0 kVa • 1.5 kVa • 2.0 kVa

- Standard SNMP Adapter for Ethernet
- Integral Webpage for Local/Remote Monitoring and Configuration
- Temp Compensated Battery Charger
- LCD Event Status Screen
- Programmable 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.

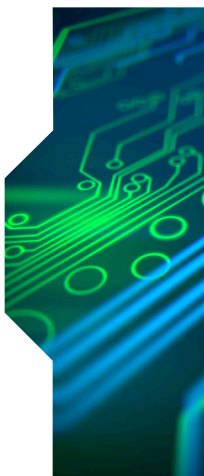
Signal Sense provides a true online double conversion power backup system that delivers a precision regenerated sine wave output. Digital Signal Processing (DSP) and Insulated Gate Bipolar Transistor (IGBT) technology are some of the many features the SSDC series provides. Whether it is intersection 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

trafficups.com
866.586.8877



PRODUCT		SSDC1000 1kVa - 0.7kw	SSDC1500 1.5kVa - 1.05kw	SSDC2000 2kVa - 1.4kw
Input				
AC Input	Number of phase/wire	Single Phase / 3 wire (hot, neutral, ground)		
	Nominal voltage	SSDC1000 120v	SSDC1500 120v	SSDC2000 120v
	Voltage Range	85v to 135v		
	Frequency	60 Hz		
	Frequency range	Input $\pm 5\%$ Output $\pm 5\%$		
	Input Protection	30A breaker		
	Power Factor	0.95 Min <1% Input voltage distortion/lag		
Output				
AC Output	Number of phase/wire	Single Phase / 3 wire (hot, neutral, ground)		
	Power Factor	0.7		
	Nominal voltage	SSDC1000 120v	SSDC1500 120v	SSDC2000 120v
	Voltage Regulation	$\pm 2\%$ Max		
	Frequency	60Hz		
	Frequency Range	On Normal Operation $\pm 8\%$ Input $\pm 2\%$ Output, On Battery Operation $\pm 0.5\%$		
	Voltage Waveform	True Sinewave		
	Voltage Distortion	Linear Load 3% Max Non-Linear Load 7% Max		
	Transient Voltage Regulation	Input Voltage Step $\pm 5\%$ Max		
		100% Step Load $\pm 5\%$ Max		
Overcurrent Capacity	110% for 10 minutes, 200% for .05 seconds, 150% for seconds (45 second interval)			
MTFB	125,000 hours	154,000 hours	141,000 hours	
Power Transfer	0 milliseconds			
Nominal Heat Dissipation	125w	200w	250w	
Over Current Protection	Bypass Non-hit Change (Auto Return)			
Communications & Management				
Interface Ports	Standard SNMP Ethernet interface with integral webpage for status monitoring and configuration			
Alarm Contacts	Form C relay {C-NO-NC} 2A max, On Battery Status, Timer, Low Battery, Battery Temperature, UPS Failure			
Display & Keypad	LCD Backlit Display for status and fault indications/fully functional keypad			
Environment				
System Cooling	Dual Fan Forced Air			
Temperature Range	-34°C to + 74°C NEMA TS2 Eurofins E&E North America certified (Metlabs) ESL95815-GEN			
Physical				
Unit Dimensions	17-1/4" W 15-1/2" D 5-3/16" H 19" Rack Mountable			
Construction	DSP (Digital Signal Processing) & IGBT throughout			
Safety & Certifications				
Safety Standards	UL 1778-4th/C22.2 No.107.3-05-2nd, CE:IEC62040-1:2008			
Emission	EN62040-2 C2:2006, EN62040-2 C3:2006, FCC Part 15 Subpart B Class-A, EN55022:2006 Class A			
Immunity	EN62040-2:2006, EN55024:24:1998/A1:2001/A2:2003			
Certifications	Eurofins E&E North America (Metlabs) UL1778-4th/C22.2 No.107.3 File#212474, NEMA TS1, NEMA TS2			
Battery				
Type	AGM or GEL Standard off the shelf			
Connection	Available with front panel connector or rear panel connection			
Backup Time	Up to 8 hours or more contingent on battery size			
Charger	Temperature Compensated-user adjustable from 0 to -6mV/ C			