



RELIABLE
BACKUP POWER
TRAFFIC SOLUTIONS



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 1500, SSDC 2000

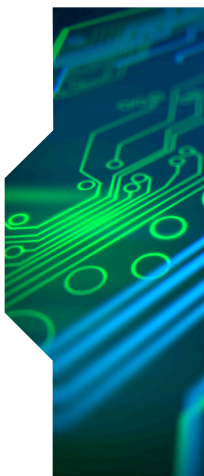
Available in two power models
1.5 kVa ◦ 2.0 kVa

- 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.



PRODUCT		SSDC1500 1.5kVa 1.05kW	SSDC2000 2kVa 1.4kW
Input			
AC Input	Number of phase/wire	Single Phase / 3 wire	
	Nominal voltage	SSDC1500 120v	SSDC2000 120v
	Voltage Range	85v to 135v	
	Frequency	60 Hz	
	Frequency range	Input ±5% Output ±5%	
	Input Protection	30A breaker	
	Power Factor	0.95 Min <1% Input voltage distortion/lag	
Output			
AC Output	Rated Output Capacity	1100 Watts	1400 Watts
	Number of phase/wire	Single Phase / 3 wire	
	Power Factor	0.7	
	Nominal voltage	SSDC1500 120v	SSDC2000120v
	Voltage Regulation	±2% Max	
	Frequency	60Hz	
	Frequency Range	On Normal Operation ±8% Input ±2% Output, On Battery Operation ±0.5%	
	Voltage Waveform	True Sinewave	
	Voltage Distortion	Linear Load 3% Max Non-Linear Load 7% Max	
	Transient Voltage Regulation	Input Voltage Step ±5% Max	
		100% Step Load ±5% Max	
Overcurrent Capacity	110% for 10 minutes, 200% for .05 seconds, 150% for seconds (45 second interval)		
MTFB	125,000 hours	141,000 hours	
Power Transfer	0 milliseconds		
Nominal Heat Dissipation	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 Battery Status, Timer, Low Battery, Battery Temperature, UPS Failure		
Display & Keypad	LCD Backlit Display with additional LED's for status and fault indications/fully functional keypad		
Environment			
System Cooling	Dual Fan Forced Air		
Temperature Range	34 C to +74 - F) 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 & Certificates			
Safety Standards and Certifications	UL 1778/CSA C22.2 No.107.3 Uninterruptible Power Systems CE, FCC Part 15 Subpart B Class A, Eurofins E&E North America certified (Metlabs) 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		