



RELIABLE
BACKUP POWER
TRAFFIC SOLUTIONS

DOUBLE CONVERSION BATTERY BACKUP

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



SSDC 1500

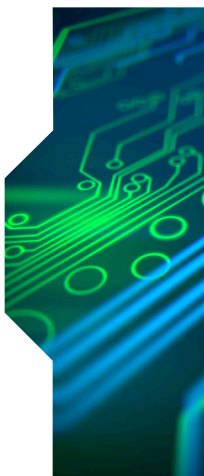
1.5 kVa ◦ 1.2kW

- 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 BATTERY BACKUP SSDC 1500



PRODUCT		SSDC1500 1.5kVa 1.2kw	
Input			
AC Input	Number of phase/wire	Single Phase / 3 wire	
	Nominal voltage	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	
Output			
AC Output	Rated Output Capacity	1200 Watts	
	Number of phase/wire	Single Phase / 3 wire	
	Power Factor	0.8	
	Nominal voltage	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)	
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	
Dlsplay & Keypad		2.8" SPI TFT LCD Display Touch Panel	
Environment			
System Cooling		Fan Forced Air, Channelized	
Temperature Range		-34°c to +74 °c, NEMA TS2	
Physical			
Unit Dimensions		20.8"w x 3.4"h x 13"d	
Construction		DSP (Digital Signal Processing) & IGBT throughout	
Safety			
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	
Battery			
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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