

# Double Conversion TRAFFIC UPS

## INTRODUCING

*A BRAND NEW LINE OF FULL-FEATURED, COST EFFECTIVE  
DOUBLE CONVERSION UNINTERRUPTIBLE POWER SUPPLIES*

### **MODELS**

**SSDC-1000**  
**SSDC-1500**  
**SSDC-2000**



- Available in Three Power Models: 1.0, 1.5 & 2.0 kVA
- SNMP Adapter for Ethernet (TCP/IP)
- Wireless Communication: Radio & WiFi
- Up to 8 hrs. or longer Run-Time
- True Sine Wave
- Instantaneous Transfer of Power
- Comprehensive Alarm System
- Custom Cabinets

**SIGNALSense**  
TRAFFICUPS™

866.586.8877  
www.trafficups.com



## SPECIFICATIONS

Output power		1kVA (0.7kW) / 1.5kVA (1.05kW) / 2kVA (1.4kW) / 3kVA (2.1kW)		
System	Cooling	Forced Air		
AC Input	Number of phase / wire	Single-phase / 2 wire		
	Nominal voltage	120V model	120V: 1kVA / 1.5kVA / 2kVA / 3kVA	
	Voltage range		-20%, +15%	
	Frequency		60Hz	
	Frequency range		±1, 3, 5% Max.      ±8% Max.	
	Power factor		0.95 Min      <1% Input voltage distortion / lag	
AC Output	Number of phase / wire		Single-phase / 2 wire	
	Power factor		0.7	
	Nominal voltage	120V model	120V: 1kVA / 1.5kVA / 2kVA / 3kVA	
	Voltage regulation		±2% Max.	
	Frequency		60Hz	
	Frequency range	On Normal Operation	±1% Max.	
		On Battery Operation	±0.5% Max.	
	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		Greater than 200% (30 second interval)	105% (200ms)	
		Greater than 800% (2 cycle)		
Overcurrent protection		Bypass Non-Hit Change (Auto Return)		
Battery	Type	AGM or GEL		
	Backup time		Up to 8 Hrs. or Longer	
Nominal heat dissipation		Double conversion mode 120V model 1kVA: 125W, 1.5kVA: 200W, 2kVA: 250W		
Environment	Temperature Range	-40° to +72°C (-40 to 162°F)		
Standard of safety		UL1778-Fourth Edition(File # E226092), CE , FCC Part15 Subpart B Class A		

## SIGNAL SENSE BATTERY RUN TIME DATA

### SSDC 1000 (24 V)

Signal Load (watts) at 77° F to 1.67 VPC

Battery	100	150	200	250	300	350	400	450	500	550	600	650	700
79 Ah	6:56	5:27	4:32	3:58	3:45	3:02	2:33	2:02	1:55	1:40	1:29	1:19	1:11
100 Ah	9:10	8:43	7:15	6:07	5:33	4:38	3:44	3:06	2:46	2:46	2:11	2:00	1:48

### SSDC 1500 (36 V)

Signal Load (watts) at 77° F to 1.67 VPC

Battery	100	150	200	250	300	350	400	450	500	550	600	650	700
79 Ah	10:58	8:30	7:03	5:56	5:02	4:35	4:08	3:43	3:30	3:08	2:29	2:09	1:50
100 Ah	12:56	11:29	10:35	9:43	9:06	7:21	6:38	6:00	4:25	4:01	3:40	3:04	2:52

### SSDC 20000 (48 V)

Signal Load (watts) at 77° F to 1.67 VPC

Battery	100	150	200	250	300	350	400	450	500	550	600	650	700
79 Ah	12:08	11:30	10:58	10:08	9:14	7:45	6:32	4:37	4:14	4:00	3:45	3:21	3:03
100 Ah	15:50	15:01	14:28	13:48	12:54	10:56	9:12	8:57	7:02	6:12	5:32	4:01	3:26

TIME (hr:min)

### SSDC 1000 (24 V)

60% Full Auto/40% Flash Run Times:

Signal Load (watts) at 77° F to 1.67 VPC

Battery	200	300	400	500	600	700
79 Ah	2:46/3:33	2:18/3:03	1:35/2:12	1:10/1:35	0:50/1:10	0:40/0:55
100 Ah	3:29/3:49	3:22/4:30	2:15/3:00	1:40/2:20	1:20/1:35	1:05/1:20

### SSDC 1500 (36 V)

Signal Load (watts) at 77° F to 1.67 VPC

Battery	200	300	400	500	600	700
79 Ah	4:25/6:40	4:00/6:10	2:40/3:40	1:50/2:00	1:15/2:00	1:00/1:20
100 Ah	5:45/7:45	5:15/7:15	4:00/4:45	2:35/3:45	2:00/3:00	1:35/2:15

### SSDC 20000 (48 V)

Signal Load (watts) at 77° F to 1.67 VPC

Battery	200	300	400	500	600	700
79 Ah	5:45/7:55	5:15/7:20	3:45/5:30	2:45/3:45	2:00/3:00	1:45/2:00
100 Ah	8:00/10:45	7:40/10:10	5:10/7:00	4:00/5:50	3:10/4:00	2:30/3:00

TIME (hr:min)

DISCLAIMER: Run Times should be used as reference only. Actual back-up times depend on charging conditions, ambient temperature, years in use, etc.