

SCV Series

On-line, Double Conversion UPS

Power Ratings: 1000VA, 1500VA, 2000VA & 3000VA



Double Conversion, On-Line UPS - operates connected equipment from the batteries 100% of the time to provide clean, high quality power and to fully protect mission critical devices such as AV controllers and processors, digital consoles, teleconferencing systems as well as communication, security and data processing equipment. Batteries provide a buffer to prevent even slight power disturbances from passing through the UPS.

High Efficiency Power Factor - converts 90% of available current to usable power. A power factor of 0.90 provides higher performance and efficiency to critical applications.

Programmable Power Outlets - two banks of outlets can be independently controlled to power cycle connected equipment or extend battery run time by shutting down non-critical devices during an extended power outage.

Emergency Power Off (EPO) - connects to an alarm panel to immediately remove power to UPS outlets in case of an emergency.

Hot Swappable Battery Design - ensures uninterrupted performance during battery replacement.

Monitoring and Control - front panel buttons and LDC display provide convenient control and real time monitoring. Network connection and downloadable *SentryHD* software allow remote management via USB, RS232 and / or optional SNMP network card.



On-Line UPS Design

SVC on-line models contain the latest in UPS technology at an affordable price. Their true on-line performance provides a constant clean, steady sine wave safeguarding sensitive equipment.

Double Conversion

On-line technology completely regenerates utility power to correct electrical disturbances. The UPS provides clean AC power with voltage and frequency independent from the utility.

Front Panel Tools

Monitor battery, UPS and facilities power and change UPS settings from front panel display and buttons

Hot Swappable Batteries

Easy battery replacement extends service life of the UPS and power support for connected equipment.

Cold Start Capability

Ensures start-up of UPS even during utility blackout.

Output Receptacle Control

Banks of outlets can be turned off for load shedding and power cycling.

Efficient Power Conversion

The high, 0.90 power factor meets current industry standards for energy savings and efficiency with low harmonic pollution to the utility power source.

Network Connection

Simultaneous USB, RS232 and SNMP (optional network card required) connection for control and monitoring power line and UPS status and function.

Monitoring and Control Software

The optional network card along with *SentryHD* software enables a large number of monitoring and control functions, including power line logging, SMS notification and outlet control.

Local Monitoring and Control

An easy to read, front panel LCD display provides real-time indication of all major system parameters and status, including

- Load Level
- Input and Output Voltage
- Battery Status
- Fault Status



Control buttons allow On/Off, alarm silence, UPS settings and battery test.

Emergency Power Off

Easy connection to emergency alarm relay.

Three Year Warranty

Depot warranty applies to the UPS as well as the batteries.

Applications

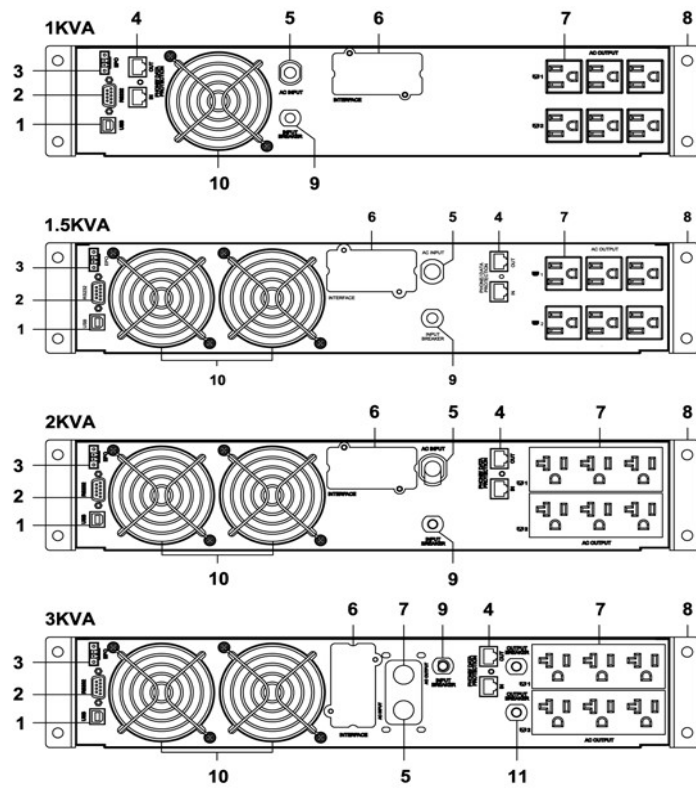
- Broadcast / Streaming
- Digital Consoles
- AV Controllers
- Paging Systems
- Security Video and Control
- Data Networks
- Transition to Generator

JUICE GOOSE

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Model	VA / Watts / Amps	Battery Run Time (Full / Half Load)	Input Power Cord (10 Ft)	Output Power Receptacles
SCV-10001	1,000 / 900 / 8.3	2 / 10 Mins	5-15P	(6) 5-15R
SCV-15001	1,500 / 1,350 / 12.5	5 / 15 Mins	5-15P	(6) 5-15R
SCV-20001	2,000 / 1,800 / 16.7	3 / 10 Mins	5-20P	(6) 5-15/20R
SCV-30001	3,000 / 2,700 / 25.0	3 / 10 Mins	L5-30P	(6) 5-15/20R (1) L5-30R

Back Panel Features



1. USB Communications Port for UPS monitoring and control.
2. RS232 (DB9) Communications Port for UPS monitoring and control.
3. EPO (Emergency Power Off) Port for UPS control.
4. R-J11/R-J45 connectors for 10/100/1000 Base-T Network/single line Phone/Fax/Modem protection.
5. The input power cord is for connecting to utility power.
6. Slot for optional SNMP network card installation.
7. Output receptacles are wired into two segments (#1 and #2) to support the "Load Shedding Function". The 3KVA has an unswitched L5/30 receptacle that does not support the load shedding function. **(Only available on 3KVA model)**
8. Rackmount brackets. Optional rack rails are available and may be advisable.
9. The input circuit breaker will trip in the event the load exceeds the UPS's power rating.
10. Ventilation fan. **(Do not disable.)**
11. The output circuit breaker will trip in the event the load exceeds the UPS's power rating. (Not on all models.)

Features and Specifications

Model	SCV-10001	SCV-15001	SCV-20001	SCV-30001
Rating VA	1,000	1,500	2,000	3,000
Capacity Watts	900	1,350	1,800	2,700
Design (Topology)	Double Conversion, On-line, Constant Connection to Battery			
INPUT				
Rated Volts	0 VAC - 160 VAC (120 VAC Nominal)			
Frequency Range	50Hz / 60Hz (+/- 6Hz) Auto Sensing			
Power Factor	≥ 0.99 @ Full Current Load			
Power Cord (10 Foot)	NEMA 5-15P Plug		NEMA 5-20P Plug	NEMA L5-30P Plug
OUTPUT				
Output Voltage (VAC)	120VAC (110VAC or 127VAC Selectable)			
AC Voltage Regulation	+ / - 2% of Nominal			
Frequency Range	47 - 53 Hz or 57 - 63 Hz (synchronized range)			
Frequency Range	50Hz or 60Hz +/- 0.2% (battery mode)			
Transfer Time AC to DC	No transfer			
Waveform (Battery Mode)	Pure Sine Wave			
Receptacles	(6) NEMA 5-15R		(6) NEMA 5-15/20R	(6) NEMA 5-15/20R (1) NEMA L5-30R
BATTERY				
Battery Type	Sealed, non spillable, maintenance-free, valve regulated lead acid			
Run Time (Full /Half Load, Minutes)	2/10	5/15	3/10	3/10
Replacement Battery Part Number	BM0069	BM0070		BM0071
Typical Recharge Time	4 hours recover to 90% of capacity			
Typical Service Life	3 to 5 Years			
Warranty	3 Years			
DISPLAY AND CONTROL				
Display	Front Panel Display: UPS, Battery and Utility Power Status (See SCV Manual for Complete Listing)			
Control Button Functions	On, Off, Alarm Silence, Menu Page Selection, UPS Settings, Battery Test			
Network Connections	Using <i>SentryHD</i> Software: USB, RS232 (DB9), SNMP (Optional Network Card)			
PHYSICAL				
Dimensions (H x W x D)	3.5" x 18.9" x 16.0"	3.5" x 18.9" x 19.2"		3.5" x 18.9" x 23.7"
Weight	24.3 lbs	44.1lbs		61.1 lbs
ENVIRONMENT				
Operating Temperature	32 F to 104 F			
Humidity	20 to 90% RH (non-condensing)			
Noise Output	Less than 50 dBA @ 1 meter			
REGULATORY COMPLIANCE				
Certifications	cULus (UL1778 5th Edition & CSA 22.2 No. 107.3 / R:2014 FCC Class A, CE Certified, RoHS2 (EU Directive 2015/863/EU)			
Country of Origin	Taiwan (Republic of China), TAA Compliant			



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