

SRA Series Battery Backup

Battery Backup + Voltage Regulation and Surge Protection

SRA 07500, 10000, 15000, 20000

The SRA Series of battery backup UPS models feature value priced yet feature rich UPS technology incorporating automatic voltage regulation (line interactive) function that preserves battery power and supports sensitive electronic equipment during brown outs. Once incoming voltage drops below operational levels, SRA switches to battery to maintain power continuity. These products also provide 960 Joules of power line surge protection.



Voltage Regulation - provides support during low voltage sags. When utility power ranges between 90 and 150 VAC, voltage output stabilizes between 103 and 136 VAC.

Emergency Power Off (EPO) - immediately remove power from UPS outlets in case of an emergency.

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

Rack, Tower or Wall Installation - installation options for a variety of power continuity applications.

Easy to View LCD Panel - displays UPS and electric power status. Rotating design can orient the front panel display to suit rack, tower or wall installation.

Maintenance Free Batteries - last 3 - 5 years under normal operations and conditions. Replacement batteries are available.



Line Interactive UPS Design

SRA Series voltage regulating models contain important features and reliable quality with advanced UPS technology at an affordable price.

Automatic Voltage Regulation

Line Interactive circuitry monitors the incoming voltage level and routes current through the appropriate taps on a buck/boost transformer to raise or lower output voltage, improving the performance of powered equipment and extending the usable range of the utility power before switching to battery mode.

This regulation continues to operate when incoming voltage is between 90 and 150 VAC. Regulated output voltage will vary between 103 and 136 VAC.

The product also provides 960 Joules of AC line surge protection.

High Efficiency Protection

Simulated sine wave output yields excellent overall performance. As with all DC power inverters, this output current contains some levels of harmonic distortion. See the SRA Series owners manual for additional details.

To protect against power overload, the UPS will automatically shut down in 1 minute if the current load is 110% of rated maximum and will shut off immediately if the load reaches 150% of rated capacity.

Monitoring

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

- Load Level
- Voltage & Frequency
- UPS Status
- Battery Charge Level
- Estimated Run Time
- Internal or External Fault



Emergency Power Off

The EPO port on the UPS can be connected to an alarm trigger which will turn off outlets in the event of an emergency.

Self Test

Both automatic and user invoked processes test UPS and battery function to verify proper operation.

Applications

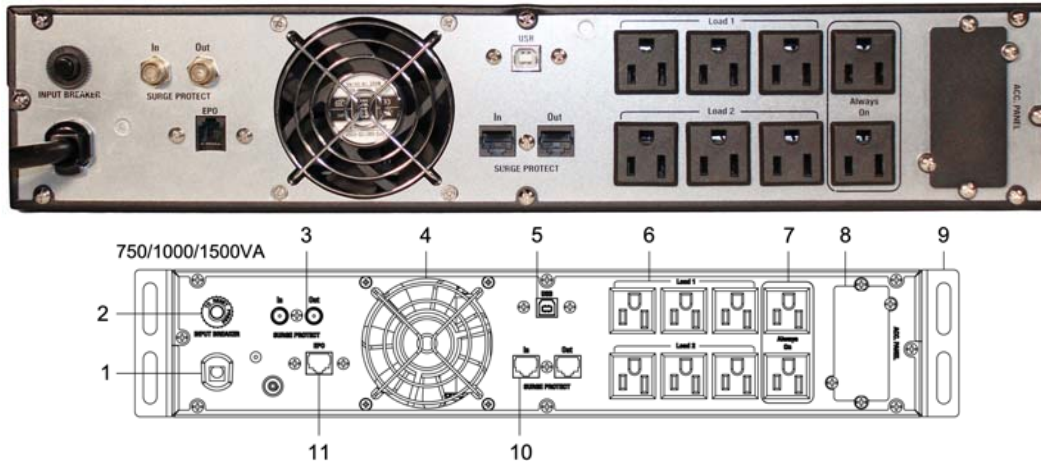
Voltage regulating UPSs are designed for a broad range of applications with sensitive electronic equipment.

- Broadcast / Streaming
- AV Controllers
- Paging
- Security
- Data Network
- Transition to Generator

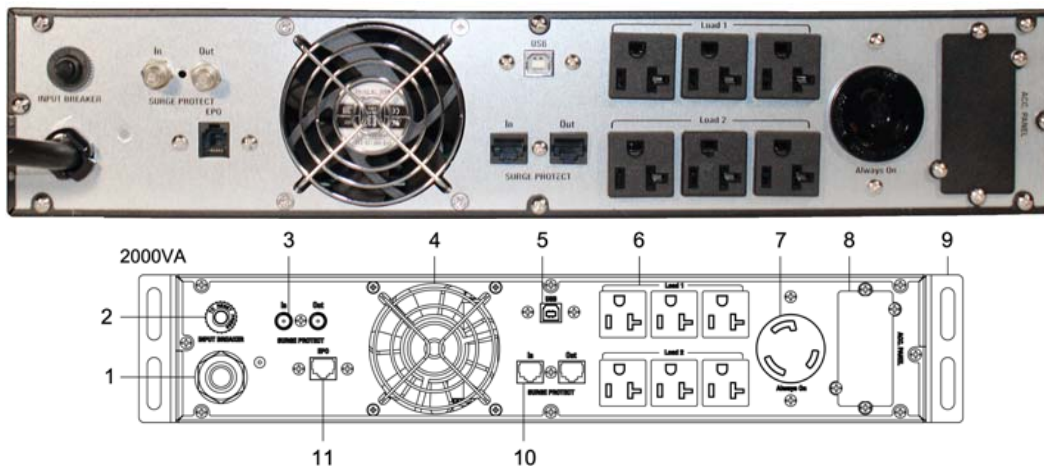


Juice Goose
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SRA-7500 to 15000



SRA-20000



1. The ten foot input power cord is for connecting the UPS to utility power. Do not use an extension cord with a UPS.
2. The input circuit breaker will trip in the event the load exceeds the UPS's power rating.
3. Coax connectors are for transient voltage surge suppression for cable modem, CATV converter, DSS receiver or DVR.
4. The fan is for ventilation. Note: The fan only operates during the battery mode and the AVR mode.
5. The USB Communications Port is for UPS monitoring and control. (Requires 3rd party software.)
6. The Battery Backup output receptacles. The output receptacles are electrically wired into two segments to support the "Load Shedding Function" (Labeled Load 1 & Load 2).
Note: The load shedding function is not currently available on the SRA Series UPS.
7. The Always On Battery Backup output receptacles (Labeled Always On) do not support the "Load Shedding Function". Note: The locking receptacle is only on the SRA 20000 model.
8. The option slot is for optional network cards. Check with Juice Goose for availability.
9. The rack mount brackets are for mounting the UPS to the rack.
10. The RJ11/45 modular connectors are used for transient voltage surge suppression for 10/100/1000 Base-T Network/single line Phone/Fax/Modem.
11. The RJ11 EPO (Emergency Power Off) Port is for UPS control. This connection is not for telecommunication use.

General Specifications

Model	SRA-07500	SRA-10000	SRA-15000	SRA-20000
Rating VA	750	1,000	1,500	2,000
Capacity Watts	525	700	1,050	1,400
INPUT				
Rated Operating Voltage (VAC)	120 = Nominal, 90 to 150 = Min and Max Range			
Low Voltage Transfer To Battery	89 VAC			
Return To Utility Power	94 VAC			
High Voltage Transfer To Battery	151 VAC			
Return To Utility Power	146 VAC			
Power Cord	10 Foot, NEMA 5-15P (NEMA 5-20P for SRA 20000)			
OUTPUT				
Output Voltage - Line Interactive Mode	103 - 136 VAC			
Output Voltage - Battery Mode	120 VAC +/- 5%			
Frequency Range	60 Hz +/- 0.8%			
Overload Capacity	110% 20 - 60 Seconds, 150% Immediate Shutdown			
Harmonic Distortion (THDU)	30.3 % to 37.2 % = Total, 14.5 % to 18.7 % = Single			
Transfer Time AC to DC	6 - 10 ms (Typical)			
Topology (Design)	Line Interactive - Simulated Sine Wave			
Receptacles	8 x NEMA 5-15R			6 x NEMA 5-15/20R 1 x NEMA L5-20R
Load Shedding (Outlet Control) Requires third-party software	2 Banks of 3 Outlets and 2 Unswitched. SRA 20000 has 1 Unswitched L5-20R.			
BATTERY				
Battery Type	Sealed, Non-Spillable, Valve Regulated, Maintenance Free, Lead Acid			
Run Time (Full Load / Half Load)	4 Minutes / 14 Minutes			
Typical Recharge Time	8 Hours to 90% from Full Discharge			
Typical Service Life	3 to 5 Years With Proper Operation			
SURGE PROTECTION				
Surge Energy Rating	960 Joules			
Surge Capacity	6,500 Amps Total (One Time)			
EMI/RFI Noise Filtration	>45dB Normal and Common Mode			
DISPLAY, CONTROL and ALARMS				
Status Indications	Battery Capacity, Load Percentage, Input Power Source, External Power Line, Fault Indications			
Control Select Buttons	On/Off/Test, Alarm Silence, Display Control (Scroll)			
Warning Indicators	Low or Bad Battery, Current Overload, Site Wiring Fault, Over Temperature, UPS Failure			
PHYSICAL				
Dimensions, Net (L x W x H)	16.1" x 18.9" x 3.4"	16.1" x 18.9" x 3.4"	20.1" x 18.9" x 3.4"	20.1" x 18.9" x 3.4"
Weight Lbs (Net / Shipping)	31.3 / 37.5	35.7 / 41.9	48.7 / 56.4	62.8 / 70.5
ENVIRONMENT				
Operating Temperature	32 F to 104 F			
Storage Temperature	-13 F to 104 F			
Humidity	20 to 90% RH (non-condensing)			
Audible Noise Output @ 3 ft	< 45 dBA			