SPS ADVANCE RT2

Line-interactive sine-wave UPS 800 VA to 3000 VA

SPS ADVANCE RT2: Effective protection for entry-level servers and IT equipment

Salicru's **SPS ADVANCE RT2** series is a range of UPS featuring line-interactive technology with sine-wave output voltage and convertible tower/rack format, the height being only 2U for all power ratings. In addition, its output power factor of 0.9 and compatibility with APFC (active power factor correction) type loads make it the best option for any type of load that requires protection.

In terms of communications, it features an RS-232/USB interface (compatible with HID protocol) and a smart slot that can optionally hold an SNMP card, MODBUS or potential-free contacts; also available are software packages for local or virtual monitoring and management of protected devices.

And other outstanding features include: solutions for applications with long backup (by means of equipment with extra chargers and additional battery modules), swivel mount display and adapters (pedestal and lugs) for placing in tower or rack formats and programmable outputs (critical/non-critical loads) to extend the available backup.

The power range for the **SPS ADVANCE RT2** series is: 800, 1,100, 1,500, 2,000 and 3,000 VA.

Applications: Flexibility and versatility in the protection of IT environments

The features of the **SPS ADVANCE RT2** series make it a versatile solution for protecting a wide range of IT equipment such as basic servers, routers, switches, hubs and point-of-sale with high power density requirements and/or rack installation of servers/communications.
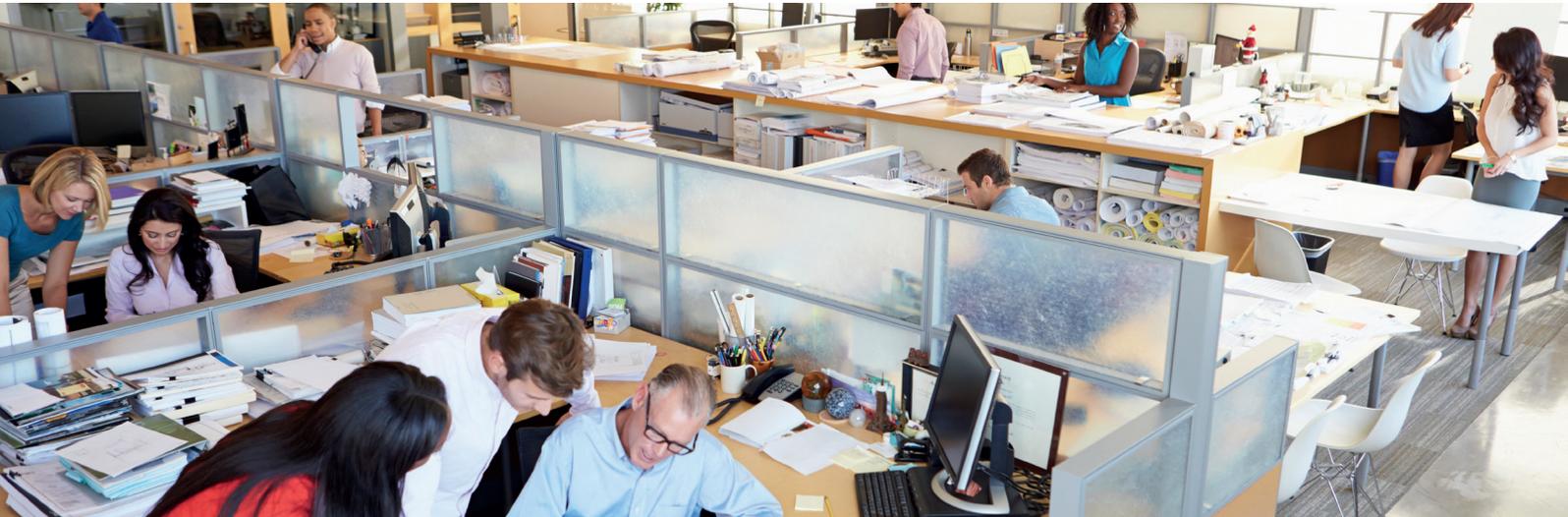
Performances

· Line-interactive technology with sine-wave output.
· Permanent AVR stabilisation.
· Output power factor PF=0.9.
· Control panel with swivel mount LCD display and keypad.
· Convertible tower/rack format (2U).
· Includes pedestal (pedestal mount) and lugs (rack mount).
· Backup extensions available for all power ratings.
· UPS models with extra charger for backup extensions.
· RS-232/USB-HID interface.
· Downloadable monitoring software for Windows, Linux and Mac.
· Smart slot for SNMP/potential-free contacts/MODBUS.
· ADSL/fax/modem protection.
· EPO – emergency power off.
· Programmable outputs for critical/non-critical loads.
· Manual and automatic battery test.
· Smart battery charger to shorten average recharging times.
· Battery recharging with device turned off.
· SLC Greenergy solution.
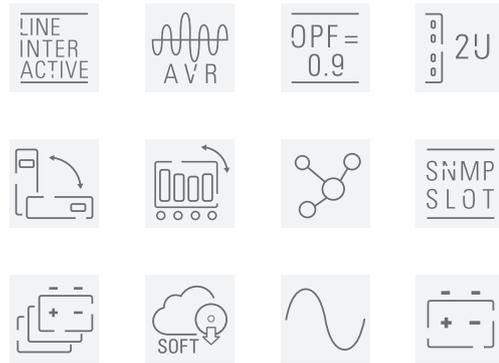
Display

1. Configuration values, fault codes and remaining backup.
2. Level of battery available.
3. Level of load connected.
4. Input values (current, voltage and frequency).
5. Output and battery values (current, voltage and frequency).
6. Operating mode.
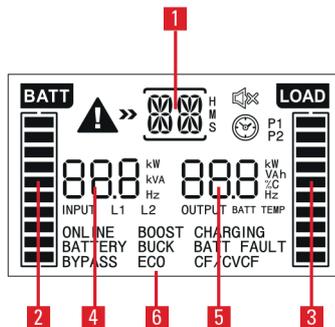
Communications

· USB interface with HID protocol: Parameter configuration, UPS control and computer shutdown/hibernation through the USB port. Available for Windows, Linux and Mac.
· UPS management and monitoring software for closing files/applications for Windows, Linux, Unix and Mac. Free and downloadable from www.salicru.com.
· Smart slot for the connection of SNMP environment integration cards and signal cards via potential-free contacts or Modbus protocol.

Line-interactive technology

Ideal for office environments. It combines Off-line technology with an internal voltage stabiliser for better compensation of the voltage fluctuations and to avoid a greater use of the batteries and so prolong their life time.
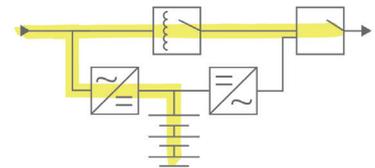
Range

| MODEL	CODE	POWER (VA / W)	NO. OF OUTPUT SOCKETS	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SPS 800 ADV RT2	6A0CA000001	800 / 720	8 × IEC C13	410 × 438 × 88	12.9
SPS 1100 ADV RT2	6A0CA000002	1100 / 990	8 × IEC C13	410 × 438 × 88	13.4
SPS 1500 ADV RT2	6A0CA000003	1500 / 1350	8 × IEC C13	510 × 438 × 88	19.5
SPS 2000 ADV RT2	6A0CA000004	2000 / 1800	8 × IEC C13	510 × 438 × 88	21.5
SPS 3000 ADV RT2	6A0CA000005	3000 / 2700	8 × IEC C13 + 1 × IEC C19	630 × 438 × 88	29.3

Frontal protuberance, from the fixing plane of the ears on the rack cabinet: 35mm. This distance is not included in the "Depth" total dimension.
Dimensions and weights for devices with standard backup

Dimensions

88 mm

438 mm

630 / 510 / 410 mm

SPS 800÷3000 ADV RT2

Connections
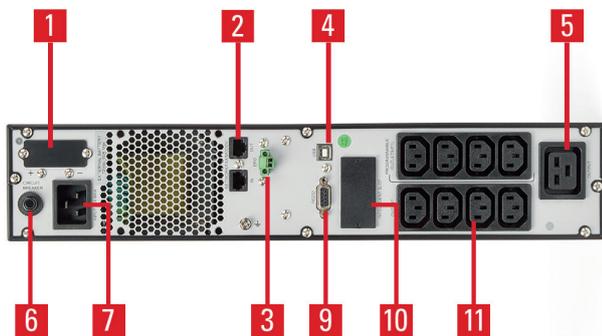
SPS 800÷3000 ADV RT2

1. Connection for battery module (only in models with extra charger).

2. ADSL/fax/modem transient protector.

3. Emergency stop (EPO).

4. USB interface.

5. Socket IEC C19 (only for 3000 VA model).

6. Resettable thermal cutoff (fuse for 800 and 1100 VA models).

7. Plug (IEC C14 for 800, 1100 and 1500 VA models; IEC C20 for 2000 and 3000 VA models).

8. Fan.

9. RS-232 interface.

10. Smart slot for SNMP/potential-free contacts/ MODBUS.

11. Sockets (8 x IEC C13), programmable critical (x4) / non-critical (x4).

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Technical specifications

MODEL		SPS ADVANCE RT2
TECHNOLOGY		Line-interactive with sine-wave output
FORMAT		Convertible tower/rack (2U)
INPUT	Rated voltage	208 / 220 / 230 / 240 V
	Voltage range 100% load	170 ÷ 280 V
	Stabiliser	AVR (Buck & Boost)
	Rated frequency	50 / 60 Hz (auto-detection)
	Frequency range	±5 Hz
	Protection	Fuse (800/1100) or resettable thermal cutoff (1500/2000/3000)
OUTPUT	Power factor	0.9
	Rated voltage	208 / 220 / 230 / 240 V
	Voltage accuracy (battery mode)	±1.5%
	Total harmonic distortion (THDv)	< 2% linear load / < 5% non-linear load
	Waveform (battery mode)	Pure sine wave
	Frequency	50/60 Hz (same as input)
	Frequency accuracy (battery mode)	±0.1Hz
	Admissible overloads in battery mode	< 120% off at 1 min / < 150% off at 10 s
	Admissible overloads in-line mode	< 120% off at 5 min / < 150% off at 10 s / >150 %: 1 s
	Programmable sockets	Yes, for critical / non-critical loads (4/4)
BATTERY	Battery type	Pb-Ca sealed, AGM, maintenance-free
	Charge type	I/U (constant current/constant voltage)
	Recharge time	4 hours to 90%
	Battery test	Automatic on every start + one × week
CHARGER	Temperature voltage compensation	Yes
COMMUNICATION	Ports	RS-232/USB-HID
	Intelligent slot	Slot for SNMP/potential-free contacts/ MODBUS
	Monitoring software	For Windows, Linux and Mac
OTHER FUNCTIONS	Cold start (start-up from batteries)	Yes
	Emergency stop (EPO)	Yes
	ADSL/fax/modem transient protector	Yes
	Green-function	Yes, automatic stop in battery mode with load <5%
	Smart fan speed	Yes, smart control of fan speed
	Site wiring fault	Yes, error detection of phase-neutral rotation and/or absence of earth
GENERAL	Operating temperature	0º C ÷ 40º C
	Relative humidity	Up to 95%, non-condensing
	Maxium operating altitude	2,400 masl (power degradation up to 5,000 m)
	Acoustic noise at 1 metre	< 45dB
STANDARDS	Safety	EN IEC 62040-1
	Electromagnetic compatibility (EMC)	EN IEC 62040-2 (C2)
	Operation	EN IEC 62040-3
	Quality and environmental management	ISO 9001 & ISO 14001

Information subject to change without notice.