



# 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.

## Features

- 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.



SPS ADVANCE RT2

## Applications: Flexibility and versatility in the protection of IT environments

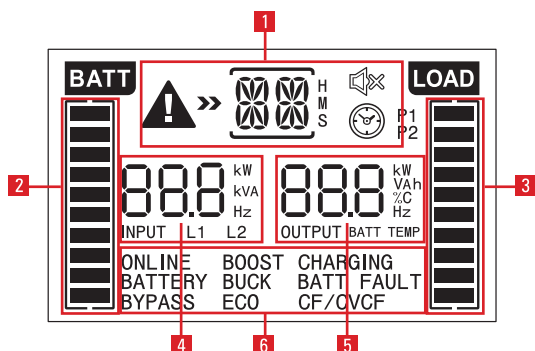
The features of the **SPS ADVANCE RT2** series make it a versatile solution for protecting a wide range of IT equipment such as basic servers, routers, switches, hubs and point-of-sale with high power density requirements and/or rack installation of servers/communications.

# SPS ADVANCE RT2

Line-interactive sine-wave UPS 800 VA to 3,000 VA

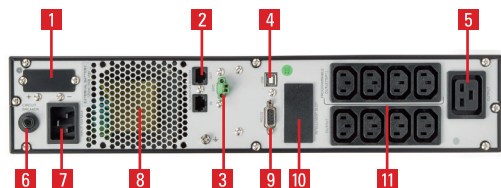


## Display

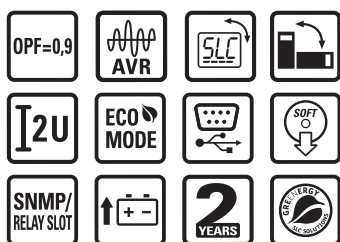


1. Configuration values, fault codes and remaining backup.
2. Level of battery available.
3. Level of load connected.
4. Input values (current, voltage and frequency).
5. Output and battery values (current, voltage and frequency).
6. Operating mode.

## Connections



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 14 for 800, 1100 and 1500 VA models; IEC 20 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 13), programmable critical (x4) / non-critical (x4).



## 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)
	Frequency	50 / 60 Hz (auto-detection)
	Frequency range	±5 Hz
	Input protection	Fuse (800/1100) or resettable thermal cutoff (1500/2000/3000)
	Input protection	Fuse (800/1100) or resettable thermal cutoff (1500/2000/3000)
OUTPUT	Power factor	0.9
	Waveform	Pure sine wave
	Rated voltage	208 / 220 / 230 / 240 V
	Voltage accuracy (battery mode)	±1.5%
	Total harmonic distortion (THDv)	< 2% linear load / < 5% non-linear load
	Frequency	50/60 Hz (same as input)
	Frequency accuracy (battery mode)	±0.1 Hz
	Overload	Online mode: < 120% off at 5 min / < 150% off at 10 s Battery mode: < 120% off at 1 min / < 150% off at 10 s
	Programmable sockets	Yes, for critical / non-critical loads (4/4)
	Programmable sockets	Yes, for critical / non-critical loads (4/4)
BATTERY	Battery type	Pb-Ca sealed, AGM, maintenance-free
	Protection	Against power surges, undervoltages and alternating current components
	Battery test	Automatic on every start + one x week
CHARGER	Charge type	I/U (constant current/constant voltage)
	Recharge time	4 hours to 90%
	Temperature voltage compensation	Yes
COMMUNICA-TION	Interface	RS-232/USB-HID
	Slot for SNMP/potential-free contacts/ MODBUS	Yes
	Downloadable monitoring software	For Windows, Linux and Mac
OTHER FUNCTIONS	Cold start	Yes, start from batteries
	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
	Site wiring fault	Yes, error detection of phase-neutral rotation and/or absence of earth
GENERAL	Operating temperature	0°C ÷ 40°C
	Relative humidity	Up to 95%, non-condensing
	Operating altitude	2,400 masl (power degradation up to 5,000 m)
	Noise level at 1 metre	< 45dB
	Noise level at 1 metre	< 45dB
STANDARDS	Safety	EN 62040-1:2008
	Electromagnetic compatibility (EMC)	EN 62040-2:2006(C2)
	Operation	EN 62040-3:2011
	Quality and Environmental Management	ISO-9001 and ISO-14001

Information subject to change without notice.

## RANGE

MODEL	POWER (VA / W)	NO. OF SOCKETS	DIMENSIONS (D x W x H mm)	WEIGHT (kg)
SPS.800.ADV RT2	800 / 720	8 x IEC C13	410 x 438 x 88 (2U)	12.9
SPS.1100.ADV RT2	1100 / 990	8 x IEC C13	410 x 438 x 88 (2U)	13.4
SPS.1500.ADV RT2	1500 / 1350	8 x IEC C13	510 x 438 x 88 (2U)	19.5
SPS.2000.ADV RT2	2000 / 1800	8 x IEC C13	510 x 438 x 88 (2U)	21.5
SPS.3000.ADV RT2	3000 / 2700	8 x IEC C13 + 1 x IEC C19	630 x 428 x 88 (2U)	29.3

Dimensions and weights for devices with standard backup