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UNINTERRUPTIBLE POWER SUPPLY SYSTEMS (UPS)

STABILISERS-STEP-DOWN LIGHT DIMMERS

POWER SUPPLY

STATIC INVERTERS

PHOTOVOLTAIC INVERTERS

VOLTAGE STABILISERS

VARIABLE FREQUENCY DRIVES

TECHNICAL SERVICE AND SUPPORT

SPS ADVANCE R
Line-interactive sine-wave UPS 1U rack
750 VA to 1500 VA

SPS ADVANCE R: High-density security in 1U rack format

Salicru's **SPS ADVANCE R** series UPSs feature line-interactive technology (AVR stabilisation with buck-boost regulation) and pure sine-wave output to power all kinds of critical load.

This technology enables a high level of efficiency to be achieved, providing significant savings in the total consumption of the rack. Also noteworthy is their compatibility with current APFC (active power factor correction) power supplies.

In terms of communications, the options are through the RS-232 interface and management and monitoring software for Windows, Linux and Mac systems, or through the available adapters (SNMP/Web adapter) to be inserted into the smart slot that the devices incorporate.

The series is available in powers of 750, 1,000 and 1,500 VA, all in 19" rack format and with a height of 1U. The depth is 216 mm for the 750 VA model and 485 mm for the 1,000 and 1,500 VA models.

Features

· Line-interactive technology with AVR stabilisation (buck-boost).
· Pure sine wave.
· Ultra-compact 1U rack format.
· Efficiency of up to 98%.
· Compatible with APFC power supplies.
· LCD display + keys for operation and information.
· Smart slot for SNMP/potential-free contacts/ Modbus.
· RS-232 communication interface.
· Downloadable monitoring and management software for Windows, Linux and Mac.
· IEC output sockets.
· Automatic battery test on each start-up.
· Cold-start function for start-up from batteries.
· SLC Greenergy solution.

SPS ADVANCE R

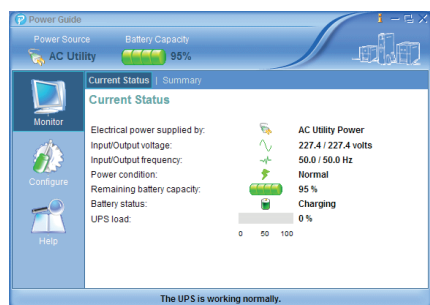## Applications: High-performance compact solution

Specially designed for installation on racks with high occupancy density, Salicru's **SPS ADVANCE R** series UPSs, thanks to their height of only one U, enable space to be freed up for other devices. In addition, their IEC sockets facilitate the connection of all computing environment elements.

SPS ADVANCE R

Line-interactive sine-wave UPS 1U rack 750 VA to 1500 VA

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Software

· UPS monitoring and management software for closing files and applications.

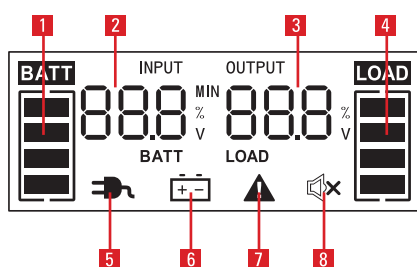· Compatible with Windows, Linux and Mac.

Connections

1. Input socket with fuse.
2. Output sockets (4 x IEC13).
3. Intelligent slot for SNMP/web adapter.
4. RS-232 interface.
5. Emergency power off (EPO).

Display

1. Level of battery available.
2. Values for input/battery/backup.
3. Values for output/charging.
4. Level of load connected.
5. Normal operation.
6. Battery operation (AC power outage).
7. Device fault.
8. Audible alarm and alarm cancellation.

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TECHNICAL SPECIFICATIONS

MODEL		SPS ADVANCE R
TECHNOLOGY		Line-interactive
FORMAT		1U rack
INPUT	Rated voltage	230 V
	Voltage range 100% load	165 ÷ 290 V
	Stabiliser	AVR (buck-boost)
	Frequency	50 / 60 Hz (auto-detection)
	Frequency range	±5 Hz
	Input protection	Fuse
OUTPUT	Waveform	Pure sine wave
	Rated voltage	230 V
	Voltage accuracy (battery mode)	±10%
	Total harmonic distortion (THDv)	<5% linear load / <10% non-linear load
	Frequency	50/60 Hz (same as input)
	Frequency accuracy (battery mode)	±1 Hz
	Compatible with APFC loads	Yes [1]
	Admissible overload — Line mode	110% for 1 min / 130% immediate
	Admissible overload — Battery mode	110% for 1 min / 130% immediate
	Socket type	IEC
	Protection	Overload, short circuit and over discharge and battery charging
EFFICIENCY	On-line mode	>95%
	Stabiliser mode (AVR)	>92%
	Battery mode	>80%
BATTERY	Battery type	Pb-Ca sealed, AGM, maintenance-free
	Protection	Internal current limitation
	Battery test	Automatic on each start-up + manual
	Battery replacement by the user	Yes
CHARGER	Charge type	I/U (constant current/constant voltage)
	Recharge time	4 hours to 90%
COMMUNICATION	Interface	RS-232
	Slot for SNMP/potential-free contacts/MODBUS	Yes
	Downloadable monitoring software	For Windows, Linux and Mac
INDICATIONS	LCD + keypad	Yes, multifunction screen
	Displayed values	Input and output voltage / % load / % battery / backup
	Levels	Connected load / overload / battery / low battery
	Alarm	Battery / low battery / overload / failure
OTHER FUNCTIONS	Cold start (start-up from batteries)	Yes
	Emergency power off (EPO)	Yes
GENERAL	Operating temperature	0ºC ÷ 40ºC
	Relative humidity	Up to 95%, non-condensing
	Operating altitude	2,400 masl
	Noise level at 1 metre	<40 dB
STANDARDS	Safety	EN 62040-1
	Electromagnetic compatibility (EMC)	EN 62040-2(C2)
	Operation	EN 62040-3
	Quality and Environmental Management	ISO-9001 and ISO-14001

(1) Power degradation of 20%

Information subject to change without notice.

RANGE

MODEL	CODE	POWER (VA / W)	NO. OF OUTPUT SOCKETS	DIMENSIONS (D x W x H mm)	WEIGHT (kg)
SPS 750 ADV R	6A0DA000001	750 / 450	4 x IEC C13	216 x 433 x 44	8.6
SPS 1000 ADV R	6A0DA000002	1000 / 600	4 x IEC C13	485 x 433 x 44	14.2
SPS 1500 ADV R	6A0DA000003	1500 / 900	4 x IEC C13	485 x 433 x 44	16.2

Dimensions and weights for devices with standard backup