SLC TWIN RT2 A

On-line double-conversion tower/rack UPS from 1,000 VA to 3,000 VA with PF=1

SLC TWIN RT2 A: High-performance On-line security for priority systems

Salicru's **SLC TWIN RT2 A** UPS range is a highly advanced continuity solution for the electrical protection of critical systems. It combines the most reliable double-conversion technology (AC/DC-DC/AC) on the market and boasts a unity output power factor (VA=W) to enable it to power systems with high energy requirements, while offering high operating efficiency.

With a range of power ratings from 1,000 VA(W) to 3,000 VA(W), it comes in a 2U, convertible to tower format, with a swivel mount LCD display, according to the needs of the facility. Also available are solutions with an extra charger and additional battery modules for applications that require greater backup.

In terms of communications, it features an RS-232/USB HID interface 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. Other outstanding features include: 50/60 or 60/50 Hz frequency converter, emergency stop (EPO), programmable outputs for critical/non-critical loads.

Applications: Continuous protection for critical systems

Salicru's **SLC TWIN RT2 A** series offers, in a compact format, all of the necessary features for the protection of applications that require a high level of security in the event of any type of electrical disturbance, such as IT servers, voice and data networks, CAD/CAM, document management, unified communications (UC) and video streaming.

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Performances

- On-line double-conversion technology.
- Output power factor PF=1.
- Convertible tower/rack format.
- Control panel with swivel mount LCD display and keypad.
- 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 and USB-HID communication interfaces.
- Downloadable monitoring software for Windows, Linux and Mac.
- Smart slot for SNMP/potential-free contacts/MODBUS.
- ADSL/fax/modem line protection.
- Eco-mode operation.
- Programmable outputs for critical/non-critical loads.
- Frequency conversion function.
- SLC Greenergy solution.

Maximum performance in Eco mode

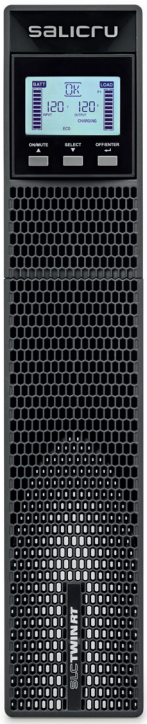
With performance of up to 99%, a significant energy saving can be achieved without reducing reliability and security in the protection of critical loads.

Higher power density

With a unity output power factor, maximum power in watts (W) is delivered, thereby optimising the always limited space in racks or server rooms.

Easy to install

Convertible tower/rack thanks to the accessories included (rack handles, tower pedestal), swivel mount display. Intuitive LCD for operation and configuration, with optical and audible warning devices. Easy segmentation of sockets between critical/non-critical loads.



Range

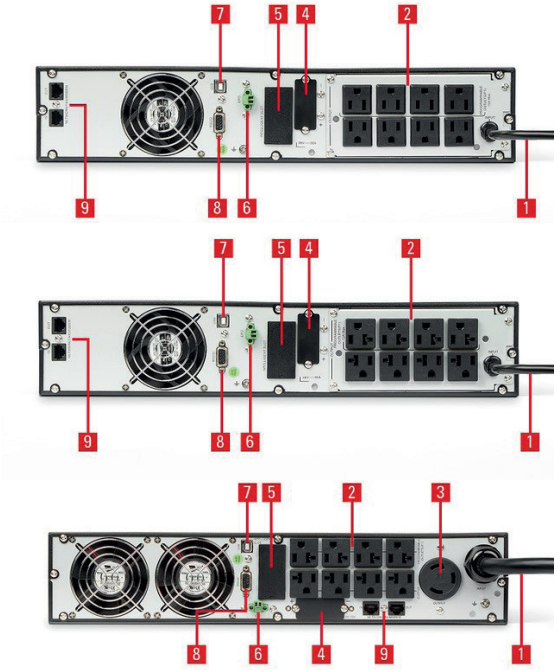
MODEL	CODE	POWER (VA / W)	NO. OF OUTPUT SOCKETS	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC 1000 TWIN RT2 A	698DA000001	1000 / 1000	8 × NEMA (10A)	410 × 438 × 88	14.1
SLC 2000 TWIN RT2 A	698DA000003	2000 / 2000	8 × NEMA (10A)	510 × 438 × 88	19.5
SLC 3000 TWIN RT2 A	698DA000005	3000 / 3000	8 × NEMA (10A) + 1 × NEMA (30A)	630 × 438 × 88	27.5

Dimensions and weights for devices with standard backup

Dimensions

SLC 1000÷3000 TWIN RT2 A

Connections



1. Input cable
2. Sockets (8xNEMA 10A), programmable critical (x4) / noncritical (x4).
3. Socket NEMA 30A (only for 3000 VA model).
4. Connection for battery module (only in models with extra charger).
5. Smart slot for SNMP/potential-free contacts/ MODBUS.
6. Emergency stop (EPO).
7. USB interface.
8. RS-232 interface.
9. ADSL/fax/modem transient protector.

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Technical specifications

MODEL		SLC TWIN RT2 A
TECHNOLOGY		On-line double-conversion
FORMAT		Convertible tower/rack
INPUT	Rated voltage	100 / 110 / 115 / 120 / 127 V AC
	Voltage range	80 ÷ 150 V
	Rated frequency	50 / 60 Hz (auto-detection)
	Frequency range	±10 Hz
	Total harmonic distortion (THDi)	≤ 5%
OUTPUT	Power factor	1
	Rated voltage	100 / 110 / 115 / 120 / 127 V AC
	Voltage accuracy (battery mode)	±1%
	Total harmonic distortion (THDv)	< 2% linear load
	Synchronised frequency	±3 Hz
	Free running frequency	±0.1 Hz
	On-line performance	> 90%
	Eco-mode performance	96 % con baterías cargadas
	Admissible overloads in on-line mode	< 130 % 5 min ; > 130-140 %, 30 sec.; > 150 %, 1,5 sec.
	Programmable sockets	4
BATTERY	Protection	Against power surges, undervoltages and alternating current components
	Battery type	Pb-Ca sealed, AGM, maintenance-free
	Charge type	I/U (constant current/constant voltage)
	Recharge time	4 hours to 90 %.
CHARGER	Temperature voltage compensation	Yes
COMMUNICATION	Ports	2 (RS232 -DB9- y USB, mutually exclusive).
	Intelligent slot	Slot for SNMP/potential-free contacts/ MODBUS
	Monitoring software	ViewPower
OTHER FUNCTIONS	Cold start (start-up from batteries)	Yes
	Emergency stop (EPO)	Yes
	ADSL/fax/modem transient protector	Yes
OPERATING MODES	Frequency converter (CVCF)	Yes
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	< 50 dB
STANDARDS	Safety	IEC 62040-1 / UL1778 / CSA C22.2
	Electromagnetic compatibility (EMC)	IEC 62040-2 / CFR47 FCC Part15, Subpart B, Class A
	Operation	VFI (EN-62040-3)
	Quality and environmental management	ISO 9001 & ISO 14001

Information subject to change without notice.