SLC TWIN RT2

On-line double-conversion tower/rack UPS from 700 VA to 3000 VA with PF=1

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

Salicru's **SLC TWIN RT2** 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.

The range of power ratings from 700 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 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. Other outstanding features include: 50/60 or 60/50 Hz frequency converter, emergency stop (EPO), and programmable outputs for critical/non-critical loads.

Applications: Continuous protection for critical systems

Salicru's **SLC TWIN RT2** 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

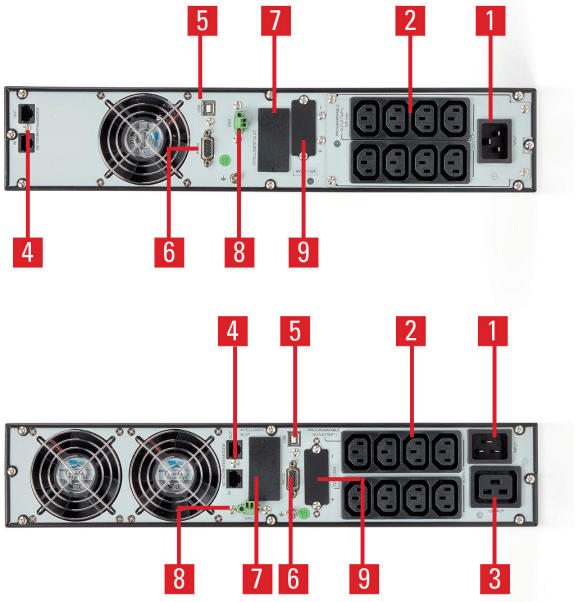
MODEL	CODE	POWER (VA / W)	NO. OF OUTPUT SOCKETS	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC-700-TWIN RT2	698CA000001	700 / 700	8 × IEC C13	405 × 438 × 88	14.1
SLC-1000-TWIN RT2	698CA000002	1000 / 1000	8 × IEC C13	405 × 438 × 88	14.1
SLC-1500-TWIN RT2	698CA000003	1500 / 1500	8 × IEC C13	405 × 438 × 88	15.5
SLC-2000-TWIN RT2	698CA000004	2000 / 2000	8 × IEC C13	490 × 438 × 88	19.5
SLC-3000-TWIN RT2	698CA000005	3000 / 3000	8 × IEC C13 + 1 × IEC C19	605 × 438 × 88	27.5

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

SLC 700÷3000 TWIN RT2

Connections



1. Plug (IEC 14 for 700, 1000 and 1500 VA models; IEC 20 for 2000 and 3000 VA models).
2. Sockets (8 x IEC 13), programmable critical (x4) / non-critical (x4).
3. Socket IEC C19 (only for 3000 VA model).
4. ADSL/fax/modem transient protector.
5. USB interface.
6. RS-232 interface.
7. Smart slot for SNMP/potential-free contacts/ MODBUS.
8. Emergency stop (EPO).
9. Connection for battery module (only in models with extra charger).

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Technical specifications

MODEL		SLC TWIN RT2 0.7-3 kVA
TECHNOLOGY		On-line double-conversion
FORMAT		Convertible tower/rack
INPUT	Rated voltage	200 / 208 / 220 / 230 / 240 V (1)
	Voltage range	110 ÷ 300 V up to 60% load
	Rated frequency	50 / 60 Hz (auto-detection)
	Frequency range	±10 Hz
	Total harmonic distortion (THDi)	≤5%
OUTPUT	Power factor	1
	Rated voltage	200 / 208 / 220 / 230 / 240 V (1)
	Voltage accuracy	±1%
	Total harmonic distortion (THDv)	< 2% linear load / < 4% non-linear load
	Synchronised frequency	±3 Hz
	Free running frequency	±0.1 Hz
	On-line performance	≥89 ÷ 91%
	Eco-mode performance	≥95 ÷ 97%
	Admissible overloads	< 130% for 5 min / < 140% for 30 s / <150 % for 1.5 s / 150 % for 100 ms
	Programmable sockets	Yes, for critical / non-critical loads (4/4)
BYPASS	Rated voltage	200 / 208 / 220 / 230 / 240 V (1)
	Frequency range	50/60Hz ±10 Hz
BATTERY	Battery type	Pb-Ca sealed, AGM, maintenance-free
	Charge type	I/U (constant current/constant voltage)
	Recharge time	3 hours to 95%
CHARGER	Temperature voltage compensation	Yes
COMMUNICATION	Ports	USB-HID / RS-232
	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
OPERATING MODES	Frequency converter (CVCF)	Yes (2)
GENERAL	Operating temperature	0º C ÷ 55º C(3)
	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 ÷ 55 dB
STANDARDS	Safety	EN-IEC 62040-1
	Electromagnetic compatibility (EMC)	EN 62040-2(C2)
	Operation	EN 62040-3
	Quality and environmental management	ISO 9001 & ISO 14001

(1) 80% power reduction for 200 or 208 V devices
(2) 78% power reduction
(3) 4% power derating per each degree over 40ºC

@salicru_en www.linkedin.com/company/salicruen/

+34 938 482 400 WWW.SALICRU.COM
AVDA. DE LA SERRA 100 · 08460 PALAUTORDERA · SPAIN · salicru@salicru.com