

# SLC TWIN RT2

On-line double-conversion tower/rack UPS from 4 kVA to 10 kVA with PF=1

## SLC TWIN RT2: High reliability in critical server environments

Salicru's **SLC TWIN RT2** series models are uninterruptible power supplies with unrivalled electrical protection features for critical server environments. Their dual tower/rack format offers physical adaptability to any site and, together with the built-in PDU strip, provides maximum ease of connection of the loads to be protected. In addition, their unity output power factor (VA=W) increases the power density delivered and reduces the space required for the installation of the UPS.

The LCD screen is swivel-mounted according to the mounting format chosen for ease of handling. In terms of serial communications, they feature USB, RS-232 and relay interfaces, as well as a smart slot to optionally accommodate an SNMP card, MODBUS or potential-free contacts; also available are software packages for local or virtual monitoring and management of the protected devices.

For applications that require extended backup, additional battery modules and/or solutions with extra charger can be installed. And for applications that require redundant protection or increase the need for power, there is the option of connecting up to 3 devices in parallel.



## Applications: Guaranteed operability for IT environments

Numerous environments can be protected by Salicru's **SLC TWIN RT2** series UPSs, such as virtualised or non-virtualised server systems, voice and data networks, ERP systems, CRM solutions, document management, etc., all of whose operability depends on the reliability of the electrical supply that powers them.



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## Performances

- On-line double-conversion technology.
- Output power factor  $PF=1$ .<sup>(1)</sup>
- 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, USB and relay communication interfaces.
- Downloadable monitoring software for Windows, Linux and Mac.
- Smart slot for SNMP/potential-free contacts/MODBUS.
- Eco-mode operation.
- Parallelable up to 3 units.
- PDU strip for distribution of output loads.
- Frequency conversion function.
- SLC Greenenergy solution.

(1) Except for backup extensions.



## 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.

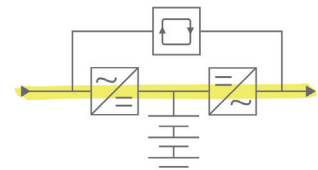
## Easy to install

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.



## Online double-conversion

Provides the highest level of security and reliability for protected critical loads, owing to the double conversion between the input and output and from AC to DC and DC to AC, thereby supplying a pure, stable, clean sine-wave voltage at the output, without any outages.



## Range

MODEL	CODE	POWER (VA / W)	NO. OF OUTPUT SOCKETS	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
KIT SLC-4000-TWIN RT2	698RQ000002	4000 / 4000	Terminals + PDU	705 × 438 × 176	63
KIT SLC-5000-TWIN RT2	698RQ000003	5000 / 5000	Terminals + PDU	705 × 438 × 176	63
KIT SLC-6000-TWIN RT2	698RQ000004	6000 / 6000	Terminals + PDU	705 × 438 × 176	63
KIT SLC-8000-TWIN RT2	698RQ000005	8000 / 8000	Terminals + PDU	705 × 438 × 176	74
KIT SLC-10000-TWIN RT2	698RQ000006	10000 / 10000	Terminals + PDU	705 × 438 × 176	74

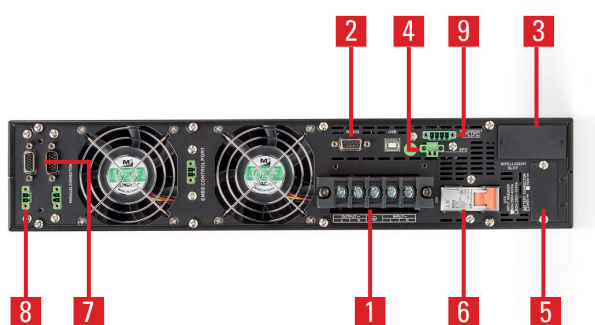
Frontal protuberance, from the fixing plane of the ears on the rack cabinet: 35mm. This distance is not included in the "Depth" total dimension. Dimensions and weights for devices with standard backup.

## Dimensions



SLC 4000-10000 TWIN RT2

## Connections



SLC 4000-10000 TWIN RT2

1. Input/output terminals.
2. RS-232 interface.
3. Smart slot for SNMP/potential-free contacts/ MODBUS.
4. Emergency stop (EPO).
5. Connection for battery module (only in models with extra charger).
6. Input circuit breaker.
7. Parallel port.
8. Current distribution port.
9. Digital input/output.

## Technical specifications

MODEL		SLC TWIN RT2 4-10 kVA
TECHNOLOGY		On-line double-conversion
FORMAT		Convertible tower/rack
INPUT	Rated voltage	208 / 220 / 230 / 240 V <sup>(1)</sup>
	Voltage range	110 ÷ 300 V up to 50% load
	Rated frequency	50 / 60 Hz (auto-detection)
	Frequency range	±4 Hz
	Total harmonic distortion (THDi)	≤4%
OUTPUT	Power factor	1 <sup>(2)</sup>
	Rated voltage	208 / 220 / 230 / 240 V <sup>(1)</sup>
	Voltage accuracy (battery mode)	±1%
	Total harmonic distortion (THDv) Linear load	<1%
	Total harmonic distortion (THDv) Non linear load	<4%
	Synchronised frequency	±4 Hz
	Free running frequency	±0.1 Hz
	On-line performance	≥93 ÷ 94%
	Eco-mode performance	≥99%
	Admissible overloads	< 110% for 10 min / < 130% for 1 min / > 130 % for 1 s
	Programmable sockets	Not applicable
	Parallel	Yes, up to 3 units <sup>(3)</sup>
	STATIC BYPASS	Voltage (V)
Frequency range		50/60 Hz ±4 Hz
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	7 ÷ 9 hours to 90%
CHARGER	Temperature voltage compensation	Yes
COMMUNICATION	Ports	USB / RS-232 / relay
	Intelligent slot	Smart slot for SNMP / potential-free contacts / MODBUS
	Monitoring software	Yes, for Windows, Linux and Mac
OTHER FUNCTIONS	Cold start (start-up from batteries)	Yes
	Emergency stop (EPO)	Yes
OPERATING MODES	Frequency converter (CVCF)	Yes <sup>(4)</sup>
GENERAL	Operating temperature	0° C ÷ +40° C
	Relative humidity	Up to 95%, non-condensing
	Maximum operating altitude	2,400 masl (power degradation up to 5,000 m)
	Acoustic noise at 1 metre	<58-60 dB
STANDARDS	Safety	EN-IEC 62040-1
	Electromagnetic compatibility (EMC)	EN 62040-2(C3)
	Operation	VFI-SS-11 (EN-62040-3)
	Quality and environmental management	ISO 9001 & ISO 14001

(1) 90% power reduction for 208 V devices

(2) Except for devices with extended backup

(3) 90% power reduction

(4) 60% power reduction



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