

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.



Performances

- On-line double-conversion technology.
- Output power factor PF=1.⁽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, 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.



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	688 × 438 × 176	63
KIT SLC 5000 TWIN RT2	698RQ000003	5000 / 5000	Terminals + PDU	688 × 438 × 176	63
KIT SLC 6000 TWIN RT2	698RQ000004	6000 / 6000	Terminals + PDU	688 × 438 × 176	63
KIT SLC 8000 TWIN RT2	698RQ000005	8000 / 8000	Terminals + PDU	688 × 438 × 176	74
KIT SLC 10000 TWIN RT2	698RQ000006	10000 / 10000	Terminals + PDU	688 × 438 × 176	74

Dimensions and weights for devices with standard backup

Dimensions



SLC 4000÷10000 TWIN RT2

Connections



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 ⁽¹⁾
	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 ⁽²⁾
	Rated voltage	208 / 220 / 230 / 240 V ⁽¹⁾
	Voltage accuracy (battery mode)	±1%
	Total harmonic distortion (THDi) Linear load	<1%
	Total harmonic distortion (THDi) 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 ⁽³⁾
	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 ⁽⁴⁾
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 62040-1
	Electromagnetic compatibility (EMC)	EN 62040-2(C3)
	Operation	EN 62040-3
	Quality and environmental management	ISO 9001 and 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