

# 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.



## 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 Greenery 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

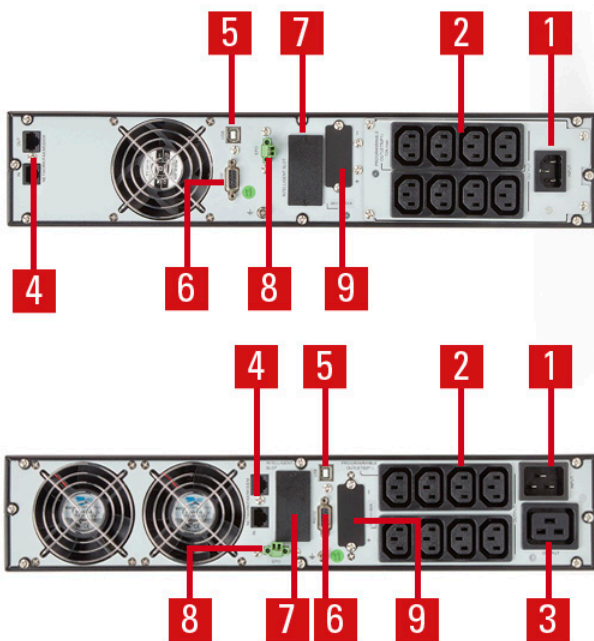
| MODEL             | CODE        | POWER (VA / W) | NO. OF OUTPUT SOCKETS     | DIMENSIONS (D × W × H mm) | WEIGHT (Kg) |
|-------------------|-------------|----------------|---------------------------|---------------------------|-------------|
| SLC 700 TWIN RT2  | 698CA000001 | 700 / 700      | 8 × IEC C13               | 410 × 438 × 88            | 14.1        |
| SLC 1000 TWIN RT2 | 698CA000002 | 1000 / 1000    | 8 × IEC C13               | 410 × 438 × 88            | 14.1        |
| SLC 1500 TWIN RT2 | 698CA000003 | 1500 / 1500    | 8 × IEC C13               | 410 × 438 × 88            | 15.5        |
| SLC 2000 TWIN RT2 | 698CA000004 | 2000 / 2000    | 8 × IEC C13               | 510 × 438 × 88            | 19.5        |
| SLC 3000 TWIN RT2 | 698CA000005 | 3000 / 3000    | 8 × IEC C13 + 1 × IEC C19 | 630 × 438 × 88            | 27.5        |

Dimensions and weights for devices with standard backup

## Dimensions



## 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).

## 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 <sup>(1)</sup>                              |
|                 | 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 <sup>(1)</sup>                              |
|                 | 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 <sup>(1)</sup>                              |
|                 | 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 <sup>(2)</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            | <50 ÷ 55 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) 80% power reduction for 200 or 208 V devices

(2) 78% power reduction