

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 $PF=1$.⁽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 | 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 |

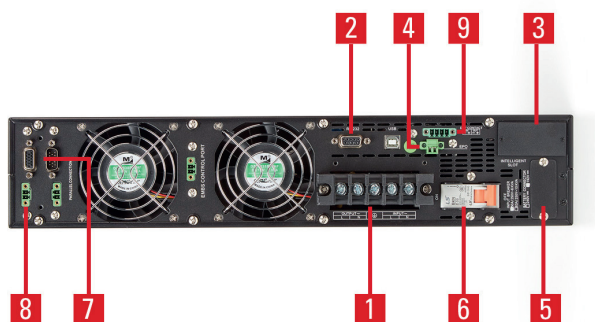
Frontal protuberance, from the fixing plane of the ears on the rack cabinet: 35mm. This distance is not included in the "Depth" total dimension. Dimensions and weights for devices with standard backup.

Dimensions



SLC 4000-10000 TWIN RT2

Connections



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 (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 ⁽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-IEC 62040-1 |
| | Electromagnetic compatibility (EMC) | EN 62040-2(C3) |
| | Operation | 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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