

# SLC TWIN RT3 LION 1-3 kVA

IoT On-line double conversion Tower/Rack UPS from 1,000 VA to 3,000 VA with lithium-ion batteries



## SLC TWIN RT3 LION 1-3 KVA: Uninterrupted power with the latest battery technology

The **SLC TWIN RT3 LION** series from Salicru offers the perfect combination of reliability, efficiency and advanced technology in the field of Uninterruptible Power Supply (UPS) systems with a PF=1. With a flexible design that allows for tower or rack installation, the models in this range are suitable for any environment, guaranteeing maximum protection for critical equipment.

The incorporation of lithium-ion batteries represents a qualitative advance over traditional lead-acid (VRLA) batteries, offering a longer service life, increased safety, and recharge times that are up to four times faster. In addition, consumption is optimised and maintenance is reduced.

With power ratings ranging from 1,000 VA to 3,000 VA, this series stands out for its operational efficiency, native IoT capabilities for intelligent management, advanced connectivity, and optimised autonomy.

## Applications: An advanced energy solution for critical and compact equipment

The **SLC TWIN RT3 LION** UPS is ideal for any sector where power continuity is key, especially those requiring high availability, continuity and reliable backup.

It can be used in various settings and industries, including data centres, IT infrastructure, industry, healthcare, offices and audiovisual media. It offers protection against power outages, thereby preventing data loss, equipment damage and keeping systems running in critical environments.



**SLICRU**

## Features

- On-line double conversion technology
- Output power factor = 1
- Pure sine wave
- Native ethernet interface
- Operation in Eco Mode
- Intelligent slot for SNMP and relays
- Management Software
- Orientable control panel
- RoHS compliant
- Convertible Tower/Rack format
- Lithium-Ion Batteries
- Rack guides included
- Tropicalized included



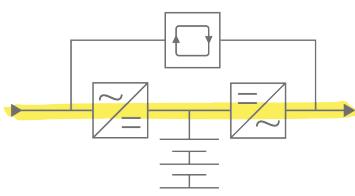
## Multi-function rotatable display

The rotatable display adapts easily to the type of installation, whether tower or rack format. It can be angled for comfortable viewing, regardless of the position of the device.



## On-line double conversion

On-line double conversion technology offers maximum protection for critical equipment. These systems constantly transform alternating current into direct current and then back into alternating current, generating a perfect sine wave with a power factor of 1 (PF=1). This process guarantees a completely stable power supply, free from fluctuations and interruptions, protecting your most sensitive equipment at all times.



## Benefits of lithium-ion batteries v VRLA (valve-regulated lead-acid)

- **Premium protection** – The very best operational and economic efficiency for your critical equipment.
- **Superior backup** – Greater backup capacity in the same physical space.
- **Extreme durability** – Between 5 and 10 times more discharge cycles than conventional solutions.
- **Intuitive installation** – Plug & play design for instant startup.
- **Long useful life** – Up to 3 times more longevity than standard systems.
- **Maintenance free** – Continuous operation without the need for intervention thanks to the BMS.
- **Ultra-fast charging** – 4 times faster than traditional technologies.
- **Smart management (integrated BMS)** – Guaranteed security and efficiency.
- **Certified robustness** – Optimal performance even in harsh cold weather conditions.
- **Guaranteed savings** – Lower total cost of ownership (TCO) and optimised return on investment over 10 years.

## High efficiency

### Service continuity guaranteed with intelligent BMS modules

UPS systems with lithium batteries and individual per-module BMS offer essential advantages for operational continuity:

1. **Flexibility without interruptions:** The batteries can be replaced without shutting down the equipment, making them ideal for critical environments.
2. **Robust and versatile:** The lithium technology ensures durability and resistance without affecting performance.
3. **Less maintenance:** Fewer interventions and lower operating costs, supporting business continuity.

In short, a UPS with lithium batteries and intelligent management enhances energy efficiency and fortifies IT infrastructure, offering increased autonomy and operational security.

## Range

| MODEL                  | CODE        | POWER (VA / W) | NO. OF OUTPUT SOCKETS     | DIMENSIONS (D x W x H mm) | WEIGHT (kg) |
|------------------------|-------------|----------------|---------------------------|---------------------------|-------------|
| SLC-1000-TWIN RT3 LION | 6B4LA000001 | 1000 / 1000    | 8 x IEC C13               | 445 x 438 x 85.5          | 15,1        |
| SLC-1500-TWIN RT3 LION | 6B4LA000002 | 1500 / 1500    | 8 x IEC C13               | 445 x 438 x 85.5          | 15,1        |
| SLC-2000-TWIN RT3 LION | 6B4LA000003 | 2000 / 2000    | 8 x IEC C13               | 600 x 438 x 85.5          | 21,3        |
| SLC-3000-TWIN RT3 LION | 6B4LA000004 | 3000 / 3000    | 8 x IEC C13 + 1 x IEC C16 | 600 x 438 x 85.5          | 21,3        |

## Dimensions

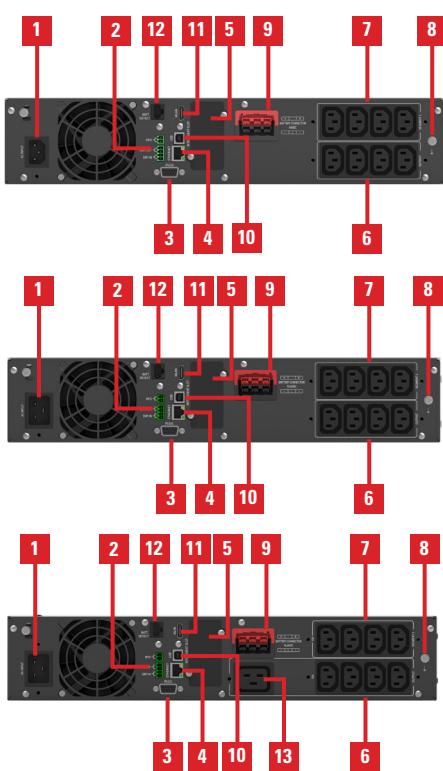


SLC 1000÷3000 TWIN RT3 LION



EBM - SLC TWIN RT3 LION

## Connections



1. Plug (IEC C14 for 1,000 and 1,500 VA models; IEC C20 for 2,000 and 3,000 VA models).
2. Digital I/O and emergency power-off (EPO).
3. RS-232 interface.
4. Ethernet port for NIMBUS CLOUD.
5. Smart slot for SNMP/potential-free contacts/MODBUS.
6. Output sockets for critical loads (x4 IEC 13).
7. Output sockets for non-critical loads (x4 IEC 13).
8. Earth cable connection.
9. Battery module connection.
10. USB interface.
11. HDMI port for NIMBUS dongle.
12. Battery module communication port.
13. IEC C19 output socket (3,000 VA model only).

# Technical specifications

| MODEL           | SLC-1000-<br>TWIN RT3 LION                    | SLC-1500-<br>TWIN RT3 LION   | SLC-2000-<br>TWIN RT3 LION | SLC-3000-<br>TWIN RT3 LION |
|-----------------|---|--|----------------------------|----------------------------|
| TECHNOLOGY      | On-line double conversion                     |  |                            |                            |
| FORMAT          | Convertible tower/rack with rotatable display |  |                            |                            |
| INPUT           | Rated voltage                                 | 230 V  |                            |                            |
|                 | Voltage range                                 | 110 ÷ 300 V  |                            |                            |
|                 | Rated frequency                               | 50/60 Hz (auto-detection)  |                            |                            |
|                 | Frequency range                               | ±5Hz (50Hz) / ±6Hz (60Hz)  |                            |                            |
|                 | Total harmonic distortion (THDi)              | <5%  |                            |                            |
| OUTPUT          | Power factor                                  | 1  |                            |                            |
|                 | Rated voltage                                 | 200 / 208 / 220 / 230 / 240 V  |                            |                            |
|                 | Voltage accuracy (battery mode)               | ±1%  |                            |                            |
|                 | Total harmonic distortion (THDv)              | <1% linear load / <5% non-linear load                                    |                            |                            |
|                 | Synchronised frequency                        | 45~55 Hz/54~66 Hz  |                            |                            |
|                 | On-line performance                           | 89%  | 93%                        |                            |
|                 | Eco-mode performance                          | 96%  | 97%                        |                            |
|                 | Permissible overloads Battery mode            | <105% continuous / <125% for 2 min / <150% for 10 s / >150% for 500 ms   |                            |                            |
|                 | Permissible overloads Bypass mode             | <110% continuous / <125% for 10 min / <150% for 5 min / >150% for 500 ms |                            |                            |
|                 | Permissible overloads On-line mode            | <105% continuous / <125% for 1 min / <150% for 10 s / >150% for 500 ms   |                            |                            |
|                 | Programmable sockets                          | Yes, for critical / non-critical loads (4/4)                             |                            |                            |
| BATTERY         | Battery type                                  | LiFePO4  |                            |                            |
|                 | Recharge time                                 | 4.6 hours to 90%   |                            |                            |
|                 | Maximum no. of EBM                            | 6  |                            |                            |
| CHARGER         | Charging current                              | 1.5 A  |                            |                            |
| COMMUNICATION   | Ports   | USB-HID / RS-232   |                            |                            |
|                 | Smart slot                                    | for SNMP/Voltage-free contact/MODBUS                                     |                            |                            |
|                 | Monitoring software                           | WINPOWER   |                            |                            |
| OTHER FUNCTIONS | Cold-start (start-up from batteries)          | Yes  |                            |                            |
|                 | Emergency power off (EPO)                     | Yes  |                            |                            |
| OPERATING MODES | Eco-mode                                      | Yes  |                            |                            |
|                 | Frequency converter (CVCF)                    | Yes  |                            |                            |
| GENERAL         | Operating temperature                         | 0 - 40°C   |                            |                            |
|                 | Relative humidity                             | 0 - 95%  |                            |                            |
|                 | Maximum operating altitude                    | 1,000 metres above sea level (power reduction up to 3,000 metres)        |                            |                            |
|                 | Acoustic noise at 1 metre                     | 45 dB  | 50 dB                      |                            |
| STANDARDS       | Safety  | EN IEC 62040-1   |                            |                            |
|                 | Electromagnetic compatibility (EMC)           | IEC/EN IEC 62040-2 C2  |                            |                            |
|                 | Operation                                     | VFI-SS-313 (EN IEC 62040-3)  |                            |                            |
|                 | Corporate certifications                      | ISO 9001, ISO 14001, ISO 45001   |                            |                            |

Information subject to change without notice.



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