

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.



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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



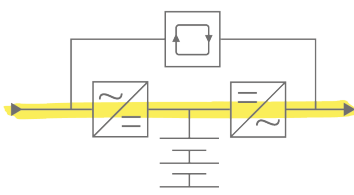
Multi-function rotatable display

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

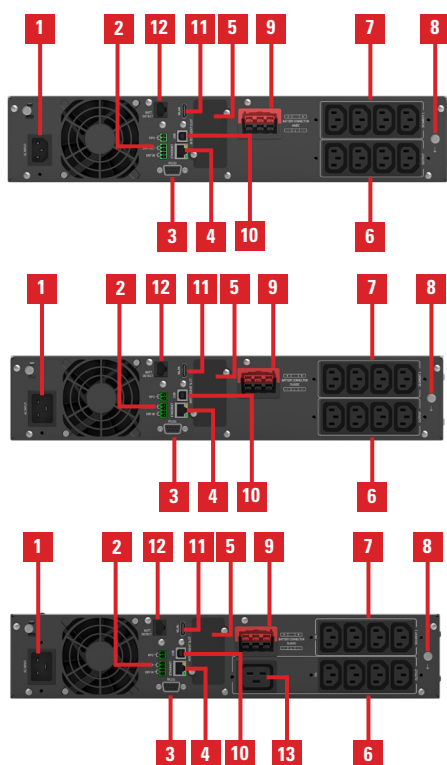


SLC 1000÷3000 TWIN RT3 LION



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-TWIN RT3 LION	SLC-1500-TWIN RT3 LION	SLC-2000-TWIN RT3 LION	SLC-3000-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.

