SLC TWIN RT3 LION 6-10 kVA

IoT On-line double conversion Tower/Rack UPS from 6 kVA to 10 kVA with lithium-ion batteries

SLC TWIN RT3 LION 6-10 KVA: Efficient power protection for critical systems and data

Salicru's **SLC TWIN RT3 LION** series consists of 6 and 10 kVA UPS units with lithium batteries, designed to protect server equipment and critical IT environments. They are designed for rack installation, although they include the necessary accessories for use in tower format. They come with a power distribution unit (PDU) as standard, adaptable to both rack and vertical mounting, which facilitates the safe and orderly connection of loads.

Lithium batteries offer a longer service life, reduce the total cost of ownership, allow for more compact and lightweight equipment, and ensure faster recharging, with less maintenance and greater thermal stability.

The series is based on reliability, high power density and immediate access to information, responding to the current needs of professional users for safety, efficiency and control.

Applications: Applications: Reliability for IT environments

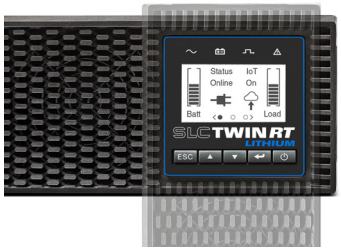
The **SLC TWIN RT3 LION** series guarantees the operational continuity necessary to maintain productivity in data management. Its high reliability ensures the permanent availability of information technology, protecting critical infrastructures such as server systems, voice and data networks, ERP platforms, CRM solutions and document management systems, among other IT environments where energy stability is key.

Performances

· Double conversion online technology.
· Output power factor FP= 1.
· Convertible tower/rack format.
· Control panel with dot matrix display and keyboard, adjustable.
· Autonomy extensions available.
· Automatic detection of external battery module via RJ-45.
· Eco-mode operation for increased efficiency.
· Parallel operation of up to 3 units (optional).
· Tropicalisation included.
· Includes two 10A IEC auxiliary outputs.
· Frequency converter function, with and without batteries.
· 10 selectable languages.
· Native Ethernet port, USB and RS-232 interface, standard on all models.
· Monitoring software for Windows, Linux, Unix and Mac (downloadable).
· Rack guides included.
· Smart slot for SNMP/AS400/MODBUS.
· Lithium-ion batteries
· BMS integrated into each EBM

Multi-function rotating 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.



Opcionales

· External rack-mountable bypass.
· NIMBUS SNMP card.
· NIMBUS AS400 card.
· NIMBUS RS-485 MODBUS card.
· Parallel kit.
· Additional IEC output cables.
· Gland kit.
· Extended warranty.

Advantage between lithium-ion and valve-regulated lead acid batteries (VRLA)

· **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.

Vigilant protection and connectivity

The **SLC TWIN RT3 LION** series features Ethernet connectivity for integration into IoT environments, enabling full remote monitoring via the cloud, the NIMBUS app and the Salicru website. This connectivity guarantees an immediate response to incidents and ensures continuity of loads and productivity. In addition, it incorporates advanced hardware-level protection and monitoring systems that automatically monitor the status of the equipment and reinforce its operational reliability.

NIMBUS

Download on the App Store

Available on the Google Play

Li-Ion TECHNOLOGY

Range

MODEL	CODE	POWER (VA / W)	NO. OF OUTPUT SOCKETS	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC-6000-TWIN RT3 LION	6B4LC000001	6000/6000	Terminnal + 2 x IEC C13 + PDU	630 × 438 × 86	48,5
SLC-10000-TWIN RT3 LION	6B4LC000002	10000 / 10000	Terminnal + 2 x IEC C13 + PDU	630 × 438 × 86	49,8

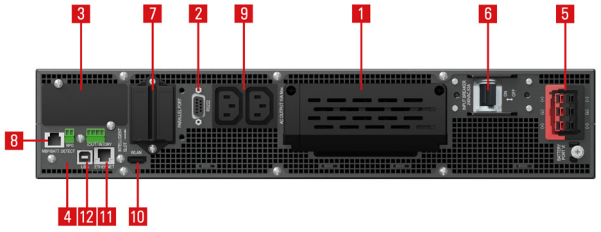
Front protrusion from the mounting surface in the rack cabinet: 35 mm. This distance is not included in the dimensions quoted for "depth".
Dimensions and weights for devices consisting of two modules with standard backup. Please visit www.salicru.com for extended backup with additional EBM modules.
Height in rack units of the listed equipment: 2U (device) + 3U (battery cabinet).

Dimensions

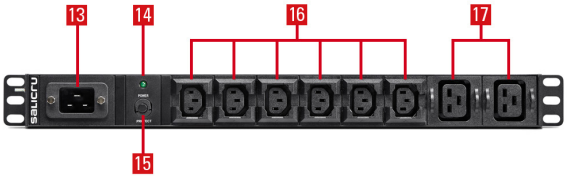
SLC 6000/10000 TWIN RT3 LION

EBM 6000/10000 TWIN RT3 LION

Connections



SLC 6000÷10000 TWIN RT3 LION



PDU

1. Input, output and earth terminals.
2. RS-232 interface.
3. Smart slot for SNMP/potential-free contacts/ MODBUS.
4. Digital E/S and emergency power-off (EPO).
5. Battery module connection.
6. Input circuit breaker.
7. Parallel port.
8. Battery module communication port.
9. Auxiliary IEC outputs.
10. HDMI port.
11. Ethernet port for NIMBUS.
12. USB port.
13. C20 input to supply the PDU.
14. Pilot light.
15. Protection reset.
16. C13 outputs.
17. C19 outputs.

Technical specifications

		SLC TWIN RT3 LION 6-10 kVA
TECHNOLOGY		On-line double conversion
FORMAT		Convertible tower/rack
INPUT	Rated voltage	230 V
	Voltage range	110-276Vac
	Rated frequency	50/60 Hz
	Frequency range	±5Hz (50Hz) / ±6Hz (60Hz)
	Total harmonic distortion (THDi)	<5%
	Power factor	≥0.99
OUTPUT	Power factor	1
	Rated voltage	220/230/240 V
	Total harmonic distortion (THDv)	<1% linear load / <5% non-linear load
	Synchronised frequency	40÷70Hz
	On-line performance	95%
	Eco-mode performance	0.98
	Admissible overloads in battery mode	105%~125% for 1 min 125%~150% for 30 s >150% for 500ms
	Admissible overloads in bypass mode	125%~150% for 30 s >150% for 500ms
	Admissible overloads in-line mode	105 ÷ 125% for 10 min/125 ÷150% for 30 s/>150% for 500 ms
	Parallel	Yes, up to 3 units
MANUAL BYPASS	Type	auto/manual
BATTERY	Protection	Breaker
	Charge type	I/U (Constant Current / Constant Voltage)
	Recharge time	4.5h to 90%
CHARGER	Temperature voltage compensation	Yes
	Charging current	1-12A
COMMUNICATION	Ports	USB-HID / RS-232
	Intelligent slot	For SNMP/AS400/MODBUS
	Monitoring software	Winpower
OTHER FUNCTIONS	Cold start (start-up from batteries)	Yes
	Emergency stop (EPO)	Yes
OPERATING MODES	Eco-mode	Yes
	Frequency converter (CVCF)	Yes
GENERAL	Operating temperature	0-50°C (3)
	Relative humidity	0 - 95%
	Maxium operating altitude	3000 m (4)
	Acoustic noise at 1 metre	<50 dB
STANDARDS	Safety	EN IEC62040-1
	Electromagnetic compatibility (EMC)	EN 62040-2(C3)
	Operation	VFI-SS-11 (EN 62040-3)
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001

(1) From 110 ÷ 160 V with linear load reduction up to a maximum of 50%.
(2) 40% reduction in rated power.
(3) 50% reduction in power from 40°C to 50°C.
(4) Power reduction of 1% for every additional 100 m from 1000 m.a.s.l.

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