

# SLC TWIN RT

RACK/TOWER ON-LINE UPS 700 VA – 10,000 VA



## ► SLC TWIN RT: Continuous protection for critical systems

SALICRU's **SLC TWIN RT** series is a double conversion On-line UPS with an output power factor of 0.9, which can be turned into tower or rack format and can be set up in parallel. The powers range is from 700 VA to 10 kVA. The rack format is highly compact (with batteries included) and comprises 2U of up to 3 kVA, 3U of 4 to 6 kVA and just 5U for powers of 8 and 10 kVA.

It comes with extensive communications options by graphic display, which can be positioned for the tower or rack formats, and incorporates USB and RS-232 ports, as well as smart slot for SNMP/relays communication. For applications with broader back-up requirements, there is the option of additional battery modules.

Above 4 kVA they include a rear plug-in module for electrical connections and a maintenance bypass to enable work to be done without having to disconnect the loads.

## ► PERFORMANCES

- Double conversion On-line UPS.
- Output power factor = 0.9.
- Input current Total Harmonic Distortion (THDi) <5%.
- Directable LCD display.
- Convertible between tower and rack.
- Up to 2 units in parallel.<sup>(1)</sup>
- Includes pedestal (tower)<sup>(2)</sup> and ears (rack).
- Selectable and priority loads control<sup>(2)</sup>.
- Eco-mode operation.
- Serial communication interfaces (RS-232) and USB.
- Monitoring software for Windows, Unix, Linux and Mac.
- Smart slot for SNMP/relays.
- Data/modem line protection<sup>(3)</sup>.
- Extended back-up available.
- Automatic frequency detector.
- Frequency converter function.
- EPO – Emergency Power Off.
- Cold Start function for starting from batteries.
- Self test on every start up and/or manual.
- SLC Greenergy solution.



► SLC TWIN RT

(1) From 4 kVA

(2) Except 10 kVA

(3) Up to 3 kVA (included)

## ► APPLICATIONS: Security and flexibility for single phase applications

The optimal solution for applications requiring the highest possible protection against all kinds of electrical disturbances (blackouts, micro cuts, voltage and/or frequency variations, electric noise,...) in a compact unit with all necessary performances.

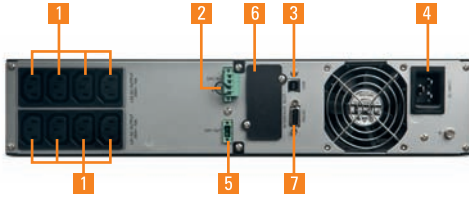
Secure power supply for all kinds of IT applications, such as voice and data networks, CAD/CAM, documentary management, unified communications (UC) or video streaming.



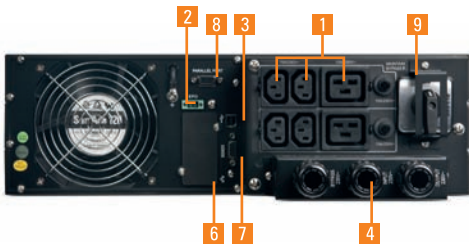
# SLC TWIN RT

## ► CONNECTIONS

1. IEC type AC outputs.
2. Emergency Power Off (EPO).
3. USB port.
4. AC input.
5. Opto couplers.
6. SNMP/relays smart slot.
7. RS-232 interface.
8. Parallel port.
9. Maintenance bypass.



► SLC-1500-TWIN RT



► SLC-6000-TWIN RT

## ► HIGHER output power

- Power Factor (PF) = 0.9.
- +30% of active power over other UPS with FP = 0.7.
- + efficiency (98%) with Eco-mode function.

Model	Apparent power (VA)	Active power (W)
SLC-700-TWIN RT	700	630
SLC-1000-TWIN RT	1,000	900
SLC-1500-TWIN RT	1,500	1,350
SLC-2000-TWIN RT	2,000	1,800
SLC-3000-TWIN RT	3,000	2,700
SLC-4000-TWIN RT	4,000	3,600
SLC-5000-TWIN RT	5,000	4,500
SLC-6000-TWIN RT	6,000	5,400
SLC-8000-TWIN RT	8,000	7,200
SLC-10000-TWIN RT	10,000	9,000

## ► COMMUNICATIONS

- RS-232 interface.
- USB interface.
- SNMP/relays smart slot.
- Monitoring and management software for Windows, Linux, Unix and Mac.
- SNMP/web adapter<sup>(1)</sup>.
- AS-400 card<sup>(1)</sup>.
- MODBUS protocol.<sup>(1)</sup>
- Temperature-humidity sensor.<sup>(1)</sup>

(1) Optional



# RACK/TOWER ON-LINE UPS 700 VA – 10,000 VA



(\*) Units ≥ 4 kVA: 1 year warranty

## ► TECHNICAL SPECIFICATIONS

MODEL		SLC TWIN RT 0,7 - 3 kVA	SLC TWIN RT 4 - 10 kVA	
FORMAT		Tower / Rack		
TECHNOLOGY		On-line, double conversion, PFC, double DC bus		
INPUT	Nominal voltage	208 / 220 / 230 / 240 V		
	Voltage range	120 ÷ 276 V <sup>(1)</sup>		
	Frequency	50 / 60 Hz		
	Frequency range	±10%		
	Power factor	≥0.99		
	Total Harmonic Distortion (THDi)	<5%		
OUTPUT	Power factor	0.9		
	Nominal voltage	208 / 220 / 230 / 240 V		
	Voltage accuracy	±1%		
	Maximum slew rate	1 Hz/s		
	Frequency synchronization	mains present	±10%	
		free running	±0.2 Hz	±0.1 Hz
	Efficiency	>89% <sup>(2)</sup>	>93%	
	Total Harmonic Distortion (THDv)	≤2% linear load; ≤5% non-linear load (according to EN 62040-3)		
	Admissible overload (normal mode)	Up to 130% during 12 s;	Up to 125% during 2 min;	
		150% during 1.5 s	150% during 30 s	
Crest factor	3 to 1			
Parallel	No	Yes, up to 2 units		
BYPASS	Nominal voltage	208 / 220 / 230 / 240 V		
	Admissible frequency range	50 / 60 Hz ±10 Hz		
	Independent bypass line	No	Yes	
MANUAL BYPASS	No	Yes ('make before break' type)		
BATTERY	Type	Sealed lead acid, AGM and free maintenance		
	Protection	Against overvoltages, under voltages and alternating current component		
CHARGER	Charge type	I/U (Constant power/Constant voltage)		
	Recharging time	3 hours at 90%		
	Compensation voltage for temperature	Yes		
COMMUNICATION	Ports	RS-232 and USB		
	Monitoring software	For Windows, Unix, Linux and Mac.		
	Emergency Power Off (E.P.O.)	Yes		
FUNCTION MODES	Eco-mode	Yes, up to 98% efficiency		
	Starting free running (Cold Start)	Yes		
	Frequency converter	Yes <sup>(3)</sup>		
INDICATORS	Directable LCD display			
GENERALS	Operating temperature	0° C ÷ +40° C	0° C ÷ +45° C	
	Relative humidity	Up to 95%, non-condensing		
	Operating altitude	1000 m.a.s.l. (degradation power up to 5000 m.a.s.l.)		
	Acoustic noise @ 1 metre	<45 dB <sup>(4)</sup>	<55 dB	
STANDARDS	Safety	EN-62040-1; EN-60950-1; EN-60529		
	Electromagnetic compatibility (EMC)	EN-62040-2		
	Operating	VFI according to EN-62040-3		
	Marking	CE		
	Quality and environmental management	ISO 9001 and ISO 14001 TÜV		

(1) With 50% of load

(2) For units of 700 and 1000 VA >87%

(3) Power reduction of 30%

(4) Models > 1500 VA is <50 dB

Data may change without previous notice.

## ► RANGE

MODEL	POWER (VA / W)	DIMENSIONS (D x W x H mm.)	WEIGHT (Kg)
SLC-700-TWIN RT	700 / 630	435 x 438 x 89 (2U)	16
SLC-1000-TWIN RT	1,000 / 900	435 x 438 x 89 (2U)	17
SLC-1500-TWIN RT	1,500 / 1,350	435 x 438 x 89 (2U)	19
SLC-2000-TWIN RT	2,000 / 1,800	435 x 438 x 89 (2U)	20
SLC-3000-TWIN RT	3,000 / 2,700	604 x 438 x 89 (2U)	29
SLC-4000-TWIN RT	4,000 / 3,600	560 x 438 x 133 (3U)	45
SLC-5000-TWIN RT	5,000 / 4,500	560 x 438 x 133 (3U)	46
SLC-6000-TWIN RT	6,000 / 5,400	560 x 438 x 133 (3U)	47
SLC-8000-TWIN RT	8,000 / 7,200	560 x 438 x 223 (5U)	82
SLC-10000-TWIN RT	10,000 / 9,000	560 x 438 x 223 (5U)	83

Dimensions and weight for standard back-up models

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(\*) Spain only (\*\*) Rest of World