SLC TWIN PRO2 A

On-line double-conversion UPS 1000 VA to 3000 VA

SLC TWIN PRO2 A: Advanced on-line protection for sensitive and critical loads

Salicru's **SLC TWIN PRO2 A** series is a UPS range in a tower format equipped with on-line double-conversion technology and the latest features to make it an advanced protection system for sensitive and critical loads.

High output power factor to ensure availability to all types of loads. Full control through status information via LCD display and keypad. And extensive monitoring and communication options via the built-in USB HID interface, an intelligent slot for SNMP cards or relays and a wide range of software packages available – free monitoring version downloadable for Windows, Linux, Unix or Mac and packages available for multi servers or virtualised systems.

For facilities that require more back-up time, there is a possibility of backup extensions using UPSs with extra charger and additional battery modules. Also notable is the possibility of Eco-mode operation to improve the efficiency of the device, EPO (emergency power off) functions, operation as a frequency converter and built-in battery test.

Applications: High-performance features for single-phase environments of up to 3 kVA

Power supply failures in IT systems can cause losses as a result of downtime and the time taken to restore the system to normal operation, and damage to network hardware. Many other disturbances (micro power outages, voltage fluctuations, frequency variations, harmonics, transients, etc.) can also cause IT environments to malfunction.

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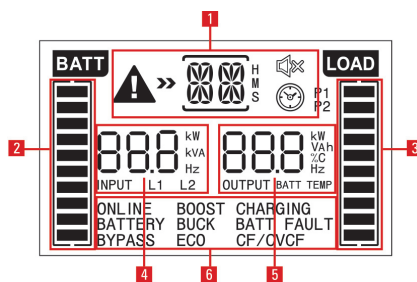# Performances

- · On-line double-conversion technology.
- · Output power factor PF=1 (1000 VA), FP= 0,9 (2000/3000 VA).
- · Control panel with LCD screen and keypad.
- · Tower format.
- · Backup extensions available for all power ratings.
- · UPS models with extra charger for backup extensions.
- · USB HID interface for all models as standard.
- · Downloadable monitoring software for Windows, Linux, Unix and Mac.
- · Intelligent slot for SNMP/relays.
- · Eco-mode operation.
- · Automatic frequency detector.
- · Frequency conversion function.
- · EPO – emergency power off.
- · NEMA sockets available.
- · Manual and/or automatic programmable battery test.
- · Smart battery charger to shorten average recharging times.
- · Battery recharging with device turned off.
- · SLC Greenergy solution.

Display

1. Configuration values, fault codes and remaining autonomy.
2. Level of battery available.
3. Level of load connected.
4. Values for the input (current, voltage and frequency).
5. Values for the output and battery (current, voltage and frequency).
6. Settings mode.

Communications

- · **USB HID UPS:** Enables control, parameter configuration and computer shutdown/ hibernation via the USB port. Available for Windows, Linux and Mac.
- · UPS monitoring and management software for closing files/applications in Windows, Linux, Unix and Mac environments. Free and downloadable from www.salicru.com.
- · Intelligent slot for connecting SNMP or optocoupler cards.

UL and FCC certifications

SLC TWIN PRO2 A series are certified for CANADA and USA markets.

LISTED
UPS

E519374

Range

MODEL	CODE	POWER (VA / W)	NO. OF SOCKETS	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC-1000-TWIN PRO2 A	699DA000001	1000 / 1000	6xNEMA 5-15R	397 × 145 × 220	13
SLC-2000-TWIN PRO2 A	699DA000003	2000 / 1800	8xNEMA 5-20R	421 × 190 × 318	20.3
SLC-3000-TWIN PRO2 A	699DA000005	3000 / 2700	8x5-20R + 1x5-30R	421 × 190 × 318	28

Dimensions
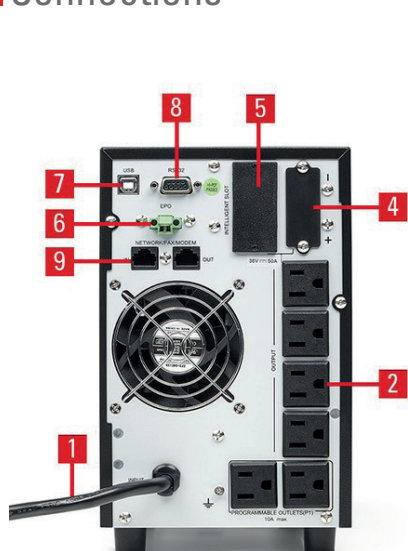
145 mm
220 mm
397 mm

SLC 1000 TWIN PRO2 A
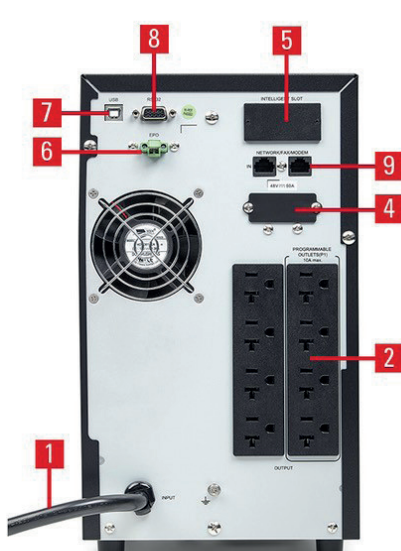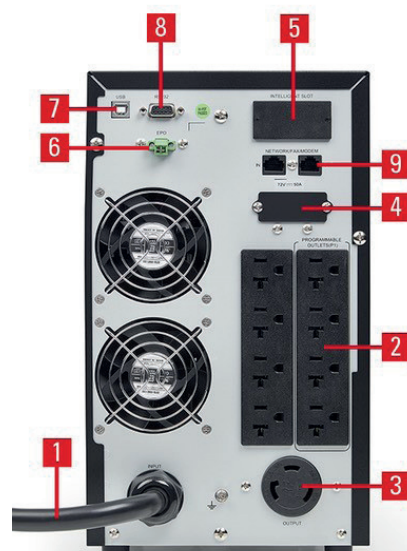
190 mm
318 mm
421 mm

SLC 2000/3000 TWIN PRO2 A

Connections

SLC 1000 TWIN PRO2 A

SLC 2000 TWIN PRO2 A

SLC 3000 TWIN PRO2 A

1. Input cable
2. Sockets (NEMA 10A), programmable critical / noncritical.
3. Socket NEMA 30A (only for 3000 VA model).
4. Connection for battery module (only in models with extra charger).
5. Smart slot for SNMP/potential-free contacts/MODBUS.
6. Emergency stop (EPO).
7. USB interface.
8. RS-232 interface.
9. ADSL/fax/modem transient protector.

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Technical specifications

MODEL		SLC TWIN PRO2 A
TECHNOLOGY		On-line double-conversion
FORMAT		Tower
INPUT	Rated voltage	100 / 110 / 115 / 120 / 127 V AC
	Voltage range 100% load	87 ÷ 150 V
	Voltage range 40% load	55 ÷ 150 V
	Rated frequency	50 / 60 Hz (auto-detection)
	Frequency range	±10 Hz
	Power factor	> 0,99 at full load
OUTPUT	Power factor	1 (1000 VA) / 0,9 (2000/3000 VA)
	Waveform	Pure sine wave
	Rated voltage	100 / 110 / 115 / 120 / 127 V AC
	Voltage accuracy	±1%
	Total harmonic distortion (THDv)	< 2% linear load
	Synchronised frequency	±3 Hz
	Frequency accuracy (battery mode)	±0,1Hz
	Synchronous speed	1 Hz/sec.
	On-line performance	> 89%
	Eco-mode performance	> 97,2 %
	Admissible overloads in battery mode	110% constant / 130% for 2 min / 140% for 1.5 s
	Admissible overloads in bypass mode	130% constant / 180% for 60 s
	Admissible overloads in-line mode	110% constant / 130% for 5 min / 140% for 1.5 s
	Available socket formats	NEMA
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	4 hours to 90 %.
	Battery test	Manual and/or automatic programmable
COMMUNICATION	Ports	USB-HID / RS-232
	Intelligent slot	Slot for SNMP/potential-free contacts/ MODBUS
	Monitoring software	ViewPower
OPERATING MODES	On-line double-conversion	Yes
	Eco-mode	Yes
	Frequency converter (CVCF)	Yes[1]
GENERAL	Operating temperature	0º C ÷ +40º C
	Relative humidity	Up to 95%, non-condensing
	Maxium operating altitude	2,400 masl (power degradation up to 5,000 m)
	Acoustic noise at 1 metre	< 49 dB (100 % charge) / < 41 dB (60 % charge)
STANDARDS	Safety	IEC 62040-1 / UL1778 5th edition / CSA C22.2
	Electromagnetic compatibility (EMC)	IEC 62040-2 / CFR47 FCC Part15, Subpart B, Class A
	Operation	VFI-SS-11 (EN-62040-3)
	Quality and environmental management	ISO 9001 & ISO 14001

(1) up to 60% of the load

Information subject to change without notice.

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