

SLC TWIN/3 PRO2

On-line Double Conversion UPS from 8 to 20 kVA III/I

SLC TWIN/3 PRO2: Enhanced Protection for Mid-Range Systems with Three-Phase Input and Single-Phase Output

The **SLC TWIN/3 PRO2** series of Uninterruptible Power Supplies (UPS) from Salicru features On-line double conversion technology, the most advanced solution for protecting critical systems. This technology ensures a perfectly stabilized and filtered pure sine wave output voltage. The UPS is available in tower format with power ratings of 8, 10, 15, and 20 kVA..

The **SLC TWIN/3 PRO2** series always delivers a single-phase output, while its three-phase input supports models from 8 to 20 kVA. The system also offers high adaptability through multiple operating modes, including On-line, Battery, Eco-mode, Bypass, Frequency Converter, and Parallel-Redundant Mode.

For monitoring and control, the UPS provides various options: a LCD display with keypad for local management and multiple communication interfaces (USB-HID, RS-232, and an expansion slot for SNMP, RS-485, or AS-400 cards). These features enable integration into standard or virtualized platforms for remote management, incident notifications, and remote maintenance.



Applications: Maximum Continuity Protection for Sensitive and Critical Systems

The **SLC TWIN/3 PRO2** from Salicru series from SALICRU is the best choice for safely powering ERP systems, Business Intelligence (BI) solutions, CRM platforms, intranets/extranets, and corporate networks. It safeguards these critical systems against a wide range of electrical disturbances—micro-outages, voltage fluctuations, frequency variations, harmonics, and transient surges—which could otherwise cause irreparable damage or lead to high operational costs.



**NIM
BUS**

SALICRU

Performances

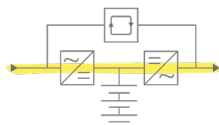
- Online double-conversion technology with DSP control.
- Output power factor FP = 0.9.
- Compact tower format for space saving.
- Active power factor correction for all input phases.
- Multiple operating modes for better adaptability.
- Parallel operation ready by default; up to 3 units.
- USB and RS-232 interface standard on all models.
- Monitoring software for Windows, Linux, Unix, and Mac (downloadable).
- Smart slot for SNMP/RS485/optocoupler cards.
- Eco-mode operation for increased efficiency.
- Autonomy expansion available for all power ratings.
- Frequency converter function.
- EPO – Emergency Power Off.
- Battery test, manual and/or programmable automatic.
- SLC Greenergy solution.



Operating modes

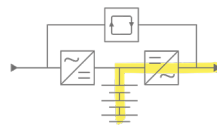
Online double-conversion

Double voltage conversion (AC/DC + DC/AC), providing the best degree of safety to loads..



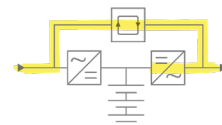
Batteries

In the event of power failure, the loads continue to be powered by means of batteries.



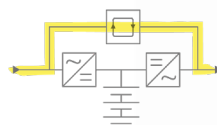
Eco-mode

Increased efficiency up to 99%, with immediate availability of full power.



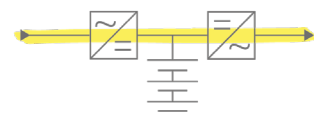
Bypass

In the event of any eventuality (incident, overload, etc.), the loads continue to be powered by the input voltage.



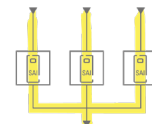
Frequency converter

Adaptation of the output frequency to the needs of the load (50/60 Hz or 60/50 Hz).



Parallel redundant

Increased safety (N+1) or capacity, with configurations of up to 3 devices.



Range

MODEL	CODE	POWER (VA / W)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)	INPUT / OUTPUT
SLC-8000-TWIN/3 PRO2	699CC000001-	8000 / 7200	592 × 250 × 576	84	III / I
SLC-10000-TWIN/3 PRO2	699CC000002-	10000 / 9000	592 × 250 × 576	85	III / I
SLC-15000-TWIN/3 PRO2	699CC000003-	15000 / 13500	815 × 250 × 826	164	III / I
SLC-20000-TWIN/3 PRO2	699CC000004-	20000 / 18000	815 × 250 × 826	166	III / I

Dimensions and weights for devices with standard backup with 3 x 400 V input voltage , 230 V output voltage.

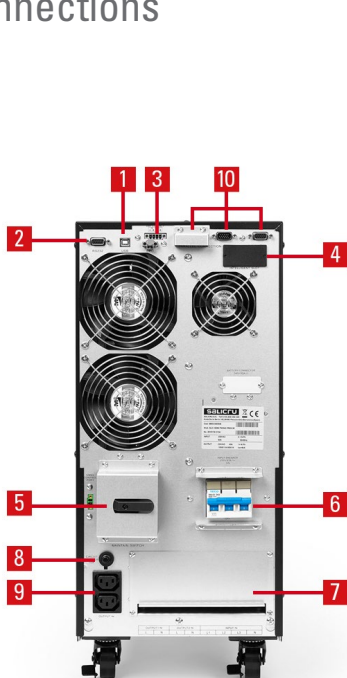
Dimensions



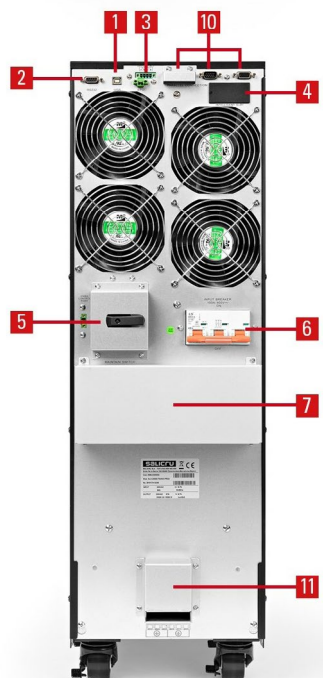
SLC 8000/10000 TWIN/3 PRO2

SLC 15000/20000 TWIN/3 PRO2

Connections



SLC 8000/10000 TWIN/3 PRO2



SLC 15000/20000 TWIN/3 PRO2

1. USB Interface.
2. RS-232 Interface.
3. Emergency Power Off (EPO).
4. Intelligent Slot for SNMP / AS400 / RS485-Modbus.
5. Manual Bypass.
6. Input Protection.
7. Terminal Blocks.
8. Resettable Circuit Breaker.
9. IEC Output Sockets.
10. Parallel Port.
11. Grounding Connections.

Technical specifications

MODEL		SLC TWIN/3 PRO2 8-20 kVA
TECHNOLOGY		On-line double-conversion
FORMAT		Tower
INPUT	Rated voltage	3 × 380 / 400 / 415 V (3P +N)
	Voltage range	3 × 190 ÷ 478+N ⁽¹⁾
	Rated frequency	50 / 60 Hz
	Frequency range	±10%
	Total harmonic distortion (THDi)	<5%
	Power factor	≥0,99
OUTPUT	Power factor	0,9
	Rated voltage	208 / 220 / 230 / 240 V ⁽²⁾
	Voltage accuracy	±1%
	Total harmonic distortion (THDv)	≤1% linear load; ≤4% non-linear load
	Synchronised frequency	±4 Hz
	Free running frequency	±0,05 Hz
	Total performance in On-line mode	88% ÷ 90%
	Admissible overloads	Up to 110% for 10 min / 130% for 1 min / >130% for 1s
	Crest factor	3 : 1
	Parallel	Yes, until 3 units ⁽³⁾
BYPASS	Type	Hybrid
	Transfer time	Nil
MANUAL BYPASS	Type	Without interruption
BATTERY	Protection	Against overvoltages, undervoltages and AC components
	Battery type	Pb-Ca sealed, AGM, maintenance-free
	Charge type	I/U (Constant Current / Constant Voltage)
	Recharge time	9 hours at 90%.
CHARGER	Temperature voltage compensation	Yes
COMMUNICATION	Ports	USB, RS-232 and relay
	Intelligent Slot	Yes, SNMP / AS400 / RS485-Modbus ready
	Monitoring software	For Windows, Unix, Linux and Mac
OTHER FUNCTIONS	Cold start (start-up from batteries)	Yes
OPERATING MODES	Eco-mode	Yes
	Frequency converter (CVCF)	Yes
GENERAL	Operating temperature	0° C ÷ 40° C
	Relative humidity	Up to 95%, non-condensing
	Maxium operating altitude	2.400 masl (power degradation up to 5.000 masl)
	Acoustic noise at 1 metre	<58 dB ÷ <60 dB
STANDARDS	Safety	EN-IEC 62040-1
	Electromagnetic compatibility (EMC)	EN 62040-2 (C3)
	Operation	VFI-SS-11 (EN-62040-3)
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001

(1) With 50% load

(2) Power reduction to 90% for 208 V input

(3) Power reduction to 90%

Information subject to change without notice.

