

SLC TWIN PRO3 10-20 kVA

IoT on-line double-conversion UPS, 10–20 kVA, PF = 1

SLC TWIN PRO3 10-20 KVA: New generation of power and connectivity

Salicru's **SLC TWIN PRO3 MULTI** Uninterruptible Power Supply (UPS) series represents the fourth iteration of SLC TWIN, strengthening our portfolio of single-phase on-line double-conversion UPSs that have been on the market for over 12 years. It preserves the range's renowned reliability while adding first-class technology through comprehensive connectivity that matches the sophistication required for advanced management of critical infrastructures.

Available in 10, 15 and 20 kVA ratings, it delivers a power factor (PF) of 1, high energy efficiency and multiple operating modes, ensuring top performance in sensitive production environments.

A key strength of the range is its flexible input/output configuration (3:3, 3:1 and 1:1) via busbars, providing superior versatility and greater protection by allowing two separate inputs in every option.

Its communications versatility stands out with an intelligent slot, direct Ethernet, USB and RS-232 connections and compatibility with the NIMBUS App and web access, enabling real-time monitoring of multiple Salicru units, even across different series.



Applications: Mission-critical processes demanding complete control

The **SLC TWIN PRO3 MULTI** series ensures operational continuity where monitoring must be constant and highly precise. High-productivity solutions such as ERP, Business Intelligence, CRM or corporate networks require a safe and stable power supply.

SLC TWIN PRO3 MULTI protects against frequency variations, voltage fluctuations and multiple disturbances on the grid, providing top-tier power back-up.

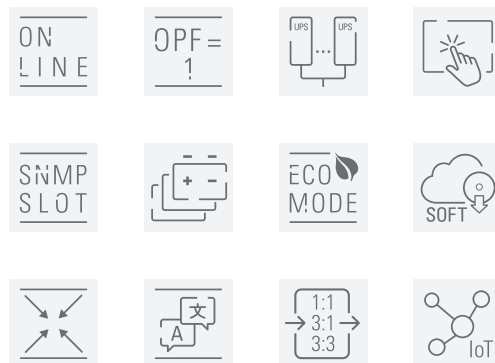


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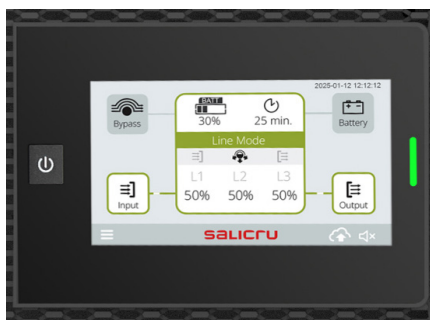
Performances

- On-line double-conversion technology with DSP control.
- Output power factor $PF = 1$.
- Flexible input/output supply configurations (3:3, 3:1, 1:1).
- Supports dual-source configuration with two independent inputs.
- Compact tower footprint for space savings.
- Control panel with touchscreen display.
- Parallel connection of up to 3 units (optional).
- Extended autonomy options available.
- Automatic detection of external battery module via RJ-45.
- Frequency-converter function, with and without batteries.
- Battery test, manual and programmable automatic.
- 9 selectable languages.
- Native Ethernet port for NIMBUS IoT, plus USB and RS-232 interfaces fitted as standard on all models.
- Monitoring software for Windows, Linux, Unix and Mac (downloadable).
- Intelligent slot for SNMP/RS485/MODBUS cards.
- Compatibility with inlet air filters.
- Tropicalisation included.
- Modular design with reduced MTTR and optional independent bypass input.



Touchscreen display

The series **SLC TWIN PRO3 MULTI** incorporates a colour touchscreen control panel, a key element in the advanced management of a modern UPS. Its intuitive design enables immediate, accurate visualisation, highlighting the most relevant information at the centre of the screen.



Flexible input/output configuration

By allowing multiple configurations, the unit achieves superior versatility; using busbars, the following arrangements are available, and two different inputs can be used in all of them for added protection:

• **3:3 mode:** three-phase input and output – ideal for data centres and high load-density systems.

3:1 mode: three-phase input and single-phase output – suitable for applications focusing protection on critical single-phase loads, reducing imbalances and simplifying installation.

1:1 mode: single-phase input and output – intended for environments with intermediate power and specific local back-up needs, ensuring autonomy.

Eco-mode and Eco-mode+

Optimisation also reaches another level: the **SLC TWIN PRO3 MULTI** adapts to different electrical environments and critical loads, improving energy efficiency without compromising protection.

It includes Eco-mode, delivering highly efficient operation by reducing losses under normal load, and Eco-mode+, a more advanced version that combines maximum efficiency with continuous monitoring to ensure continuity even with variable loads.

These functions provide significant energy savings while maintaining reliability and stability of critical systems.



Opcionales

- NIMBUS SNMP card
- NIMBUS AS400 card
- NIMBUS RS-485 MODBUS card
- Paralleling kit
- Cable gland kit
- Dust filters



Range

MODEL	CODE	POWER (VA / W)	DIMENSIONS (D x W x H mm)	WEIGHT (Kg)
SLC 10 TWIN PRO3 MULTI	6B5AG000001	10000/10000	699 x 300 x 805	96
SLC 10 TWIN PRO3 MULTI B1	6B5AG000002	10000/10000	699 x 300 x 805	52,9
SLC 15 TWIN PRO3 MULTI	6B5AG000003	15000/15000	699 x 300 x 805	129,4
SLC 15 TWIN PRO3 MULTI B1	6B5AG000004	15000/15000	699 x 300 x 805	54,2
SLC 20 TWIN PRO3 MULTI	6B5AG000005	20000/20000	699 x 300 x 805	139
SLC 20 TWIN PRO3 MULTI B1	6B5AG000006	20000/20000	699 x 300 x 805	54,2

Dimensions and weights for equipment with standard autonomy. Please consult the website www.salicru.com for extended autonomy with additional EBM modules.

Dimensions

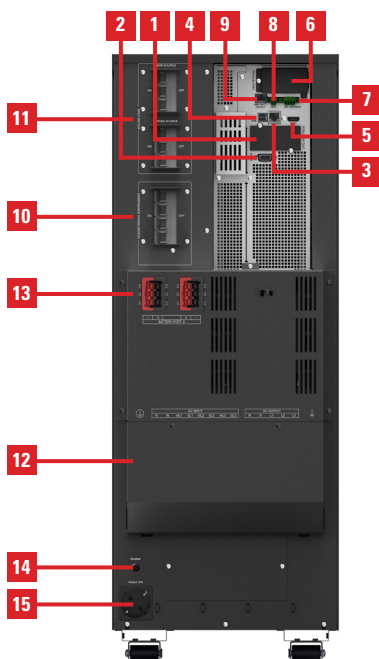


SLC 10 ÷ 20 TWIN PRO3 MULTI
SLC 10 ÷ 20 TWIN PRO3 MULTI B1



EBM - SLC TWIN PRO3 MULTI

Connections



1. Intelligent slot
2. RS-232 interface
3. Ethernet port (RJ-45, for the IoT function)
4. USB interface
5. Wireless (HDMI, for the IoT function)
6. Parallel port (factory option; default: no)
7. Dry contacts (DRY in/out)
8. EPO (Emergency Power Off)
9. RJ-45 (for EBM auto-detection)
10. MBP switch (Maintenance Bypass Module)
11. Input and bypass switches
12. Input/output terminals
13. External battery connector
14. Input protection thermal fuse
15. Schuko outlet

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Technical specifications

MODEL		SLC TWIN PRO3 10 kVA MULTI	SLC TWIN PRO3 15 kVA MULTI	SLC TWIN PRO3 20 kVA MULTI
TECHNOLOGY		On-line double-conversion		
FORMAT		Tower		
CONFIGURATION		3:3 / 3:1 / 1:1		
INPUT	Rated voltage	220/230/240 V or 3 x 380/400/415 V + N		
	Voltage range	110 ÷ 300 V ⁽¹⁾		
	Rated frequency	50/60 Hz (auto-detection)		
	Frequency range	40 ÷ 70 Hz		
	Total harmonic distortion (THDi)	<3 % linear load / <5 % non-linear load		
	Power factor	>0,99		
OUTPUT	Power factor	1		
	Rated voltage	220/230/240 V or 3 x 380/400/415 V + N		
	Voltage accuracy	±1 %		
	Total harmonic distortion (THDv)	< 1% linear load / < 5% non-linear load		
	Synchronised frequency	50 ±5 Hz/60 ±6 Hz		
	Eco-mode performance	98 %	98,8 %	99%
	Total performance in On-line mode	95 %	96 %	
	Admissible overloads in battery mode	105 ÷ 125 % for 1 min/125 ÷ 150 % for 30 s/>150 % for 500 ms		
	Admissible overloads in bypass mode	125 ÷ 150 % for 1 min / >150 % for 500 ms		
	Admissible overloads in-line mode	105 ÷ 125 % for 10 min/125 ÷ 150 % for 1 min / >150 % for 500 ms		
	Parallel	Yes, up to 3 units (optional)		
BATTERY	Protection	Against overvoltages, undervoltages and overheating		
	Battery type	Pb-Ca sealed, AGM, maintenance-free		
	Charge type	Smart charge with 3 modes		
	Recharge time	3 hours to 90%		
	Maximum no. of EBMs	3	6	
CHARGER	Temperature voltage compensation	Yes		
	Charging current	Adjustable 2 ÷ 13 A		
COMMUNICATION	Ports	USB-HID/RS-232/RJ-45/HDMI		
	Intelligent slot	for SNMP/AS400/Modbus		
	Monitoring software	Software for Windows, Linux and Mac/app for iOS and Android/web portal		
OTHER FUNCTIONS	Cold start (start-up from batteries)	Yes		
	Emergency stop (EPO)	Yes		
OPERATING MODES	Eco-mode	Yes		
	Eco-mode+	Yes		
	Frequency converter (CVCF)	Yes ⁽²⁾ , operates with or without batteries		
GENERAL	Operating temperature	0° C ÷ +50° C		
	Relative humidity	Up to 95%, non-condensing		
	Maxium operating altitude	4.000 masl ⁽³⁾		
	Acoustic noise at 1 metre	<55 dB ÷ <60 dB at full load/<50 dB ÷ <55 dB at 75% load		
STANDARDS	Safety	EN 62040-1		
	Electromagnetic compatibility (EMC)	EN 62040-2 (C3)		
	Operation	VFI-SS-111 (EN 62040-3)		
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001		

(1) 110–160 V with linear load reduction to 50%.

(2) 40% reduction in rated power (only in 1:1 configuration).

(3) 1% power reduction for every additional 100 metres above 1,000 masl.

