

SLC ADAPT

Modular On-line double conversion UPS 30-1500 kVA

SLC ADAPT: Flexibility, availability and reliability in superior electrical protection

Salicru's **SLC ADAPT** series consists of modular On-line double conversion uninterruptible power supply (UPS) solutions with DSP control and three-level IGBT inverter technology.

Flexibility: It enables solutions to be configured from 30 kVA to 1500 kVA, thanks to the range of modules available (30 and 50 kVA), different configurable systems (6 or 10 modules) and the parallel/redundant option of up to three 500 kVA systems. It also provides increased protection as needs grow - pay as you grow - thereby improving total cost of ownership (TCO).

Availability: Its hot-swap modules can be added or replaced during operation, thereby improving mean time to repair (MTTR) and reducing maintenance costs. In addition, the system's remote management, which can be integrated into any platform, also facilitates operation. And the extensive back-up options available, along with intelligent battery charging, ensure continuous operation of the protected critical loads.

Reliability: Its DSP control, based on three-level PWM technology, improves response effectiveness and, along with shared load redundancy, significantly extends the mean time between failures (MTBF).



Applications: Redundant protection for critical applications

Data centres with all capacities, IT infrastructures, modular and virtualised data centres and applications for critical processes are some of the services that require high-level electrical protection to ensure reliable, continuous and high-quality operation, such as that provided by Salicru's **SLC ADAPT** series systems.



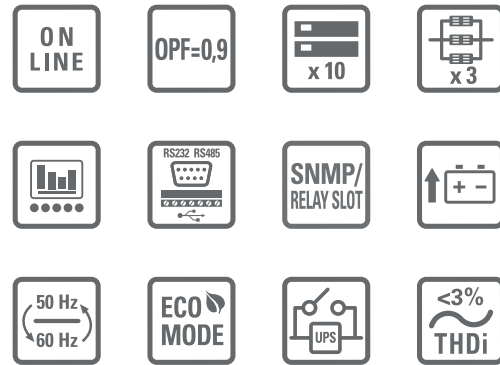
salicru
SMART
SOLUTIONS

salicru

Performances

- On-line double conversion technology with modular architecture.
- 30 and 50 kVA modules with DSP control and three-level PWM technology.
- 6 or 10-module systems (up to 500 kVA per system).
- Possibility of parallel/redundant operation up to 1500 kVA.
- Hot-pluggable and swappable plug & play modules.
- Input power factor >0.99.
- Input current distortion (THDi) <3%.
- Three-phase input / output voltages.
- Output power factor = 0.9.
- Control and management by means of LCD display, LEDs and keypad.
- Efficiency in On-line mode >96%. ⁽¹⁾
- 99% performance in Eco-mode operation.
- RS-232, RS-485, relays and USB communication channels.
- Smart slots for extended relays and SNMP.
- Smart-efficiency mode to optimize system performance.
- Improved return on investment (ROI).
- Compact design to save space in server rooms.
- SLC Greenergy solution.

(1) In systems with 50 kVA modules.



Display

Display consisting of operation keys, status LEDs and touch screen detailing all functions, measurements and alarms.



Options

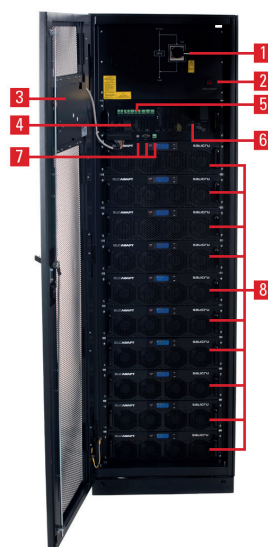
- Extended relays and SNMP adapter.
- Extended back-up times.
- Kit for parallel systems.
- Frequency converter operation.

Technical support and service

- Pre-sales and after-sales advice.
- Start-up. ⁽¹⁾
- Technical support by telephone.
- Preventive/corrective services.
- Maintenance contracts. ⁽¹⁾
- Training courses.

(1) Ask for local conditions

Connections



1. Manual bypass.
2. Battery start-up.
3. LCD display.
4. Bypass module.
5. Dry contacts.
6. Extended relays and SNMP slot.
7. RS-232, RS-485 and USB interfaces.
8. Power modules.



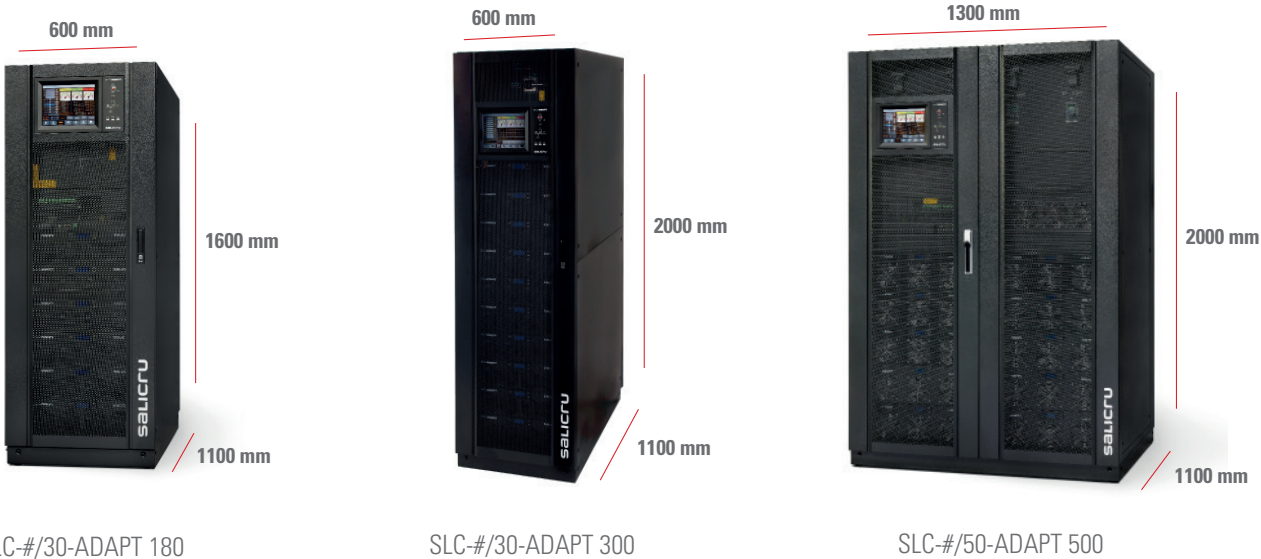
Range

MODULES	CODE	POWER (VA / W)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC ADAPT 30	694AB000003	30000 / 27000	790 × 460 × 134	34
SLC ADAPT 50	694AB000011	50000 / 45000	700 × 510 × 178	45

SYSTEMS	CODE	MODULE POWER (VA / W)	MAX. POWER. (VA / W)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC-#/30-ADAPT 180	6940Q000018	30000 / 27000	180000 / 162000	1100 × 600 × 1600	199 ÷ 369
SLC-#/30-ADAPT 300	6940Q000006	30000 / 27000	300000 / 270000	1100 × 600 × 2000	200 ÷ 560
SLC-#/50-ADAPT 500	6940Q000031	50000 / 45000	500000 / 450000	1100 × 1300 × 2000	945 ÷ 1350

Dimensions: Batteries located in additional cabinets.
 Nomenclature, dimensions and weights for devices with input voltage 3 x 400 V, output voltage 3 x 400 V.

Dimensions



Technical specifications

MODEL		SLC ADAPT	
Module power (VA/W)		30000 / 27000	50000 / 45000
TECHNOLOGY		On-line double conversion, three-level PWM, DSP control	
INPUT	Rated three-phase voltage (3F+N)	3 × 380 / 400 / 415 V (3F + N)	
	Voltage range	-43% +20% ⁽¹⁾	
	Rated frequency	50 / 60 Hz	
	Frequency range	40 - 70 Hz	
	Total harmonic distortion (THDi)	≤3%	
	Power factor	>0.99	
OUTPUT	Power factor	0.9	
	Rated voltage	3 × 200 / 208 / 380 / 400 / 415 V (3F + N)	
	Accuracy	±1%	
	Total harmonic distortion (THDv)	≤1%	
	Frequency	50 / 60 Hz	
	Total performance in On-line mode	>95%	>96%
	Performance in Smart Eco-mode	99%	
	Total performance in batteries mode	>95%	>96%
	Admissible overloads	125% for 10 mins / 150% for 1 min	
	Crest factor	3:1	
MANUAL BYPASS	Type	Uninterrupted	
STATIC BYPASS	Type	Static thyristor	
	three-phase voltage (V)	3 × 380 / 400 / 415 V (3F + N)	
BATTERY	Battery type	SLA maintenance-free, NiCd	
	Charging voltage regulation	Batt-watch	
COMMUNICATION	Display	Touch panel 10.4"	
	Ports	RS-232, RS-485, relays and USB	
	Intelligent slot	1 × SNMP/1 × extended relays	
GENERAL	Operating temperature	0° C ÷ +40° C	
	Relative humidity	Up to 95%, non-condensing	
	Maximum operating altitude	2,400 masl ⁽²⁾	<2,400 masl ⁽²⁾
	Acoustic noise at 1 metre	<65 dB(A)	<72 dB(A)
SYSTEMS	Maximum no. modules per system	6 or 10	10
	Maximum power per system (kVA)	300	500
	Maximum no parallel systems	3	
STANDARDS	Safety	EN-IEC 62040-1	
	Electromagnetic compatibility (EMC)	EN-IEC 62040-2	
	Operation	VFI-SS-111 (EN-IEC 62040-3)	
	Quality and environmental management	ISO 9001 & ISO 14001	

(1) Depending on load percentage.

(2) Power degradation for higher altitudes, up to a maximum of 5,000 masl.

Information subject to change without notice.



@salicru_en



www.linkedin.com/company/salicruen/