

SLC ADAPT2 A

Modular On-line double conversion UPS and modules 14 and 30 kVA

SLC ADAPT2 A: Flexibility, availability and reliability in superior electrical protection

Salicru's **SLC ADAPT2 A** 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 14 kVA to 900 kVA, thanks to the range of modules available (14 and 30 kVA), different configurable systems (8, 10 or 12 modules) and the parallel/redundant option of up to three 300 kVA systems. It also provides increased protection as needs grow - pay as you grow - thereby improving total cost of ownership (TCO).

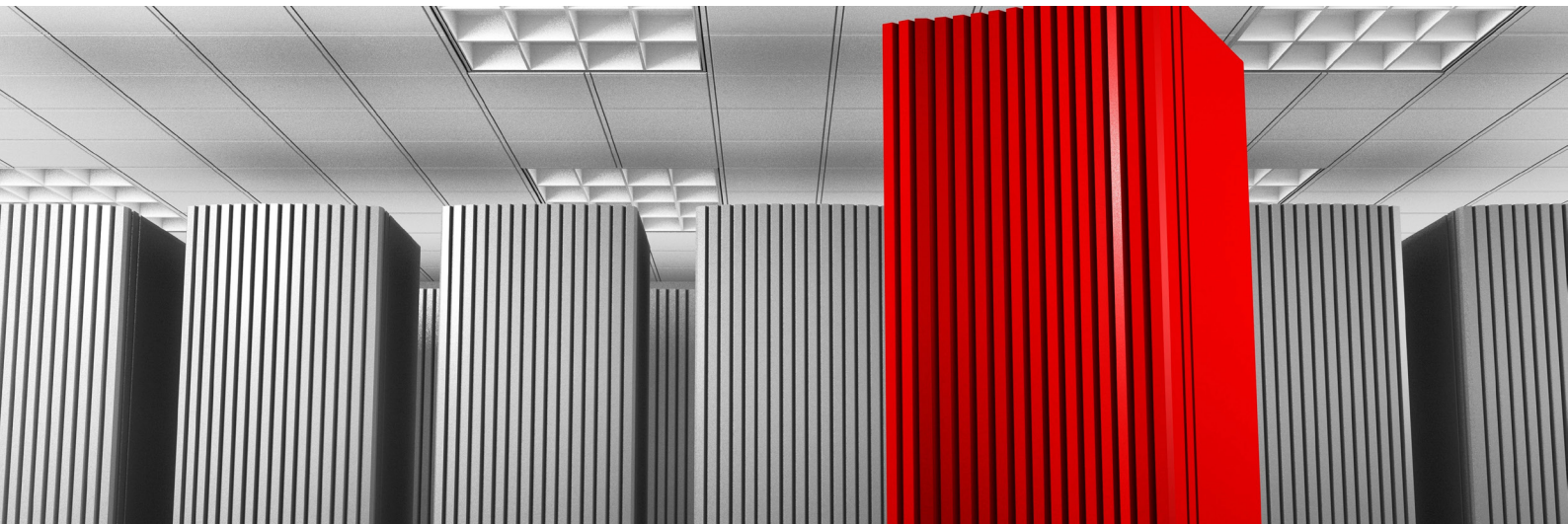
Availability: Its hot-swap modules can be added or replaced during operation, thereby improving mean time to repair (MTTR) and reducing maintenance costs. In addition, the system's remote management, which can be integrated into any platform, also facilitates operation. And the extensive back-up options 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 ADAPT2 A** series systems.



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Performances

- On-line double conversion technology with modular architecture.
- 14 and 30 kVA modules with DSP control and three-level PWM technology.
- 8, 10 or 12-module systems (up to 300 kVA per system).
- Possibility of parallel/redundant operation up to 900 kVA.
- Hot-pluggable and swappable plug & play modules.
- Input power factor >0.99.
- Input current distortion (THDi) <3%.
- Three-phase input / output voltages.⁽¹⁾
- Output power factor = 1.
- Control and management by means of LCD display, LEDs and keypad.
- Over 96% efficiency of modules in Online mode.
- 99% performance in Eco-mode operation.
- RS-232, RS-485, relays and USB communication channels.
- Smart slots for extended relays and SNMP/Nimbus.
- Smart-efficiency mode to optimize system performance.
- Improved return on investment (ROI).
- Compact design to save space in server rooms.
- SLC Greenergy solution.

(1) 1/1, 1/3 and 3/1 options with power derating (under request).



Display

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



Options

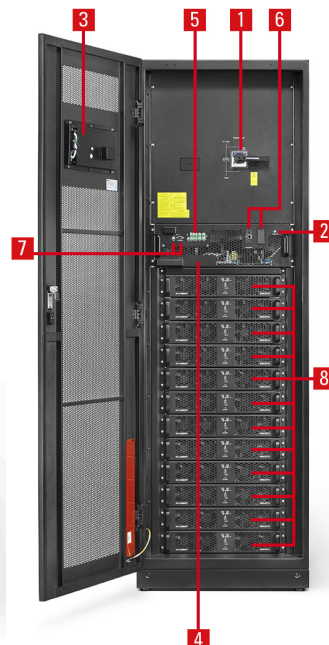
- Extended relays and SNMP/Nimbus adapter.
- Extended back-up times.
- Kit for parallel systems.
- Frequency converter operation.

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. Start-up from batteries (Cold Start).
3. LCD display.
4. Bypass module.
5. Dry contacts.
6. Extended relays and SNMP/Nimbus 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 ADAPT2 14 A	694AB100010	14000 / 14000	671 × 436 × 85	18
SLC ADAPT2 30 A	694AB100016	30000 / 30000	700 × 510 × 178	45

SYSTEMS	CODE	NO. MODULES (#)	MODULE POWER (VA / W)	MAX. POWER (VA / W)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC-#/8 ADAPT2 112 A	694RA100249	1 to 8	14000 / 14000	112000 / 112000	916 × 482 × 1550	178
SLC-#/12 ADAPT2 168 A	694RA100250	1 to 12	14000 / 14000	168000 / 168000	960 × 650 × 2000	230
SLC-#/10 ADAPT2 300 A	694RA100251	1 to 10	30000 / 30000	300000 / 300000	1100 × 1300 × 2000	945

Nomenclature, dimensions and weights for devices with input voltage 3 x 220 V, output voltage 3 x 220 V.
 Replace # with the number of system modules.
 Batteries located in additional cabinets.
 The weight shown corresponds only to the system, without modules.

Dimensions



SLC ADAPT2 25



SLC ADAPT2 50



SLC-#/8 ADAPT2 200



SLC-#/12 ADAPT2 300



SLC-#/10 ADAPT2 500

Technical specifications

MODEL		SLC ADAPT2 A	
Module power (VA/W)		14000 / 14000	30000 / 30000
TECHNOLOGY		On-line double conversion, three-level PWM, DSP control	
INPUT	Rated three-phase voltage (3P+N)	3 × 200 / 208 V	
	Voltage range	-27% +25% (Depending on charge) ⁽¹⁾	-40% +25% (Depending on charge) ⁽¹⁾
	Rated frequency	50 / 60 Hz	
	Frequency range	40 - 70 Hz	
	Total harmonic distortion (THDi)	≤3%	
	Power factor	>0,99	
OUTPUT	Power factor	1	
	Rated three-phase voltage (3P+N)	3 × 200 / 208 V	
	Accuracy	±1%	
	Total harmonic distortion (THDv)	≤1%	
	Frequency	50 / 60 Hz	
	Module performance (On-line)	>96%	
	Performance in Smart Eco-mode	99%	
	Admissible overloads	125% for 10 mins / 150% for 1 min	
	Crest factor	2,6:1	
MANUAL BYPASS	Type	Uninterrupted	
STATIC BYPASS	Type	Static thyristor	
	Three-phase voltage (V)	3 × 200 / 208 (3P + N)	
	Admissible overloads	≤110% constant / ≤130% for 1 hour / ≤150% for 1 minute / >150% for 5 seconds	
BATTERY	Battery type	Pb-Ca, VRLA, lead acid, gel, Ni-Cd, Li-Ion	
	Charging voltage regulation	Batt-watch	
	Charger maximum power (W)	20% of total system power	
COMMUNICATION	Display	7" touchscreen and LEDs	
	Ports	RS-232, RS-485, relays and USB	
	Intelligent slot	1 × Nimbus SNMP/1 × Nimbus extended relays	
GENERAL	Operating temperature	0° C ÷ +55° C ⁽²⁾	
	Relative humidity	Up to 95%, non-condensing	
	Maxium operating altitude	2,400 masl ⁽³⁾	
	Acoustic noise at 1 metre	<65 dB(A)	<72 dB(A)
SYSTEMS	Maximum no. modules per system	8 or 12	10
	Maximum power per system	112 / 168 kVA	300 kVA
	Maximum no. modules systems	30	
	Maximum power per parallel system	420 kVA	900 kVA
STANDARDS	Safety	EN IEC 62040-1	
	Railway	EN 50121-4 / EN 50121-5	
	Electromagnetic compatibility (EMC)	EN IEC 62040-2	
	Operation	VFI-SS-11 (EN 62040-3)	
	Seismic	IEC 60068-3-3:2019/COR1:2021 / UBC1997 Zone3 & Zone 4 Ip 1.5	
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001	

(1) Linear % load derating: For 14 kVA from -20% to -27% and for 30 kVA from -20% to -40%.

(2) Power derating for higher altitudes up to +40°C.

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

Information subject to change without notice.

