

SLC ADAPT2 H

Modular On-line double conversion UPS 40-1200 kVA

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

Salicru's **SLC ADAPT2 H** 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 40 kVA to 1200 kVA, with 40kVA modules to different configurable systems (2, 4, 6, 8 or 10 modules) and the parallel/redundant option of up to three 400 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 H** series systems.



salicru
SMART
SOLUTIONS

salicru

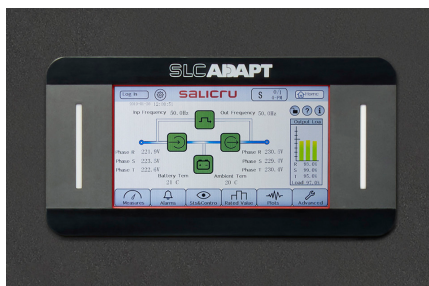
Performances

- On-line double conversion technology with modular architecture.
- 40 kVA modules with DSP control and three-level PWM technology.
- 2, 4, 6, 8 or 10-module systems (up to 400 kVA per system).
- Possibility of parallel/redundant operation up to 1200 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 = 1.
- Control and management by means of LCD display, LEDs and keypad.
- Efficiency in On-line mode >96%.
- 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.



Display

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



Cable entry

- 2/4 slots: front - internal.
- 6 slots: rear - top.
- 8/10 slots: rear - top or rear - internal.

Technical support and service

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

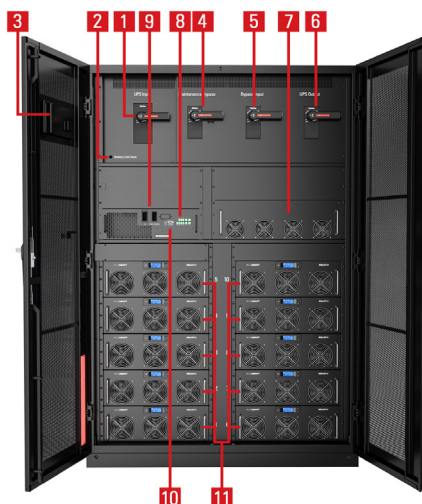
Switches

- 2 slots: input, static bypass, maintenance bypass and output.
- 4 slots: maintenance bypass.
- 6 slots: maintenance bypass.
- 8 slots: input, static bypass, maintenance bypass and output.
- 10 slots: input, static bypass, maintenance bypass and output.

Options

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

Connections



1. UPS input.
2. Cold start from batteries.
3. LCD display.
4. Manual bypass.
5. Bypass input.
6. UPS output.
7. Bypass module.
8. Potential-free contacts.
9. SNMP slots and extended relays.
10. RS-232, RS-485 and USB interfaces.
11. Power modules.

Range

MODULES	CODE	POWER (VA / W)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC ADAPT2 40 H	694AB000015	40000 / 40000	700 × 510 × 178	45

SYSTEMS	CODE	NO. MODULES (#)	MODULE POWER (VA / W)	MAX. POWER (VA / W)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC-#/40-ADAPT 80 H	6940Q000063	1 to 2	40000 / 40000	80000 / 80000	960 × 600 × 1150	165
SLC-#/40-ADAPT 160 H	6940Q000064	1 to 4	40000 / 40000	160000 / 160000	960 × 650 × 1600	215
SLC-#/40-ADAPT 240 H	6940Q000065	1 to 6	40000 / 40000	240000 / 240000	1095 × 650 × 2000	265
SLC-#/40-ADAPT 320 H	6940Q000066	1 to 8	40000 / 40000	320000 / 320000	1100 × 1050 × 2000	380
SLC-#/40-ADAPT 400 H	6940Q000067	1 to 10	40000 / 40000	400000 / 400000	1100 × 1300 × 2000	495

Nomenclature, dimensions and weights for devices with input voltage 3 x 480 + N V, output voltage 3 x 480 + N V.

Replace # with the number of system modules.

Batteries located in additional cabinets.

The weight shown corresponds only to the system, without modules.

Dimensions



Technical specifications

MODEL		SLC ADAPT H
Module power (VA/W)		40000 / 40000
TECHNOLOGY		On-line double conversion, three-level PWM, DSP control
INPUT	Rated three-phase voltage (3P+N)	3 × 480 V (3F + N + T)
	Voltage range	-40% +10% ⁽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 voltage	3 × 480 V (3F + N + T)
	Accuracy	±1% (Static) / +/- 1.5% (Dynamic)
	Total harmonic distortion (THDv)	≤1%
	Frequency	50 / 60 Hz
	Total performance in On-line mode	>96%
	Performance in Smart Eco-mode	99%
	Total performance in batteries mode	>96%
	Admissible overloads	>150% for 200ms / 150% for 1 min / 125% for 10 mins / 110% for 1 hora
MANUAL BYPASS	Crest factor	3:1
	Type	Uninterrupted
STATIC BYPASS	Type	Static thyristor
	Three-phase voltage (V)	3 × 480 V (3F + N + T)
BATTERY	Battery type	SLA maintenance-free, NiCd, gel, Li-Ion
	Charging voltage regulation	Batt-watch
	Charger maximum power (W)	20% of total system power
COMMUNICATION	Display	Touch panel 7"
	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
	Maxium operating altitude	2,400 masl ⁽²⁾
	Acoustic noise at 1 metre	<72 dB(A)
SYSTEMS	Maximum no. modules per system	10
	Maximum power per system (kVA)	400
	Maximum no parallel systems	3
STANDARDS	Safety	EN-IEC 62040-1
	Seismic	IEC 60068-3-3:2019/COR1:2021 / UBC1997 Zone3 & Zone 4 Ip 1.5
	Electromagnetic compatibility (EMC)	EN-IEC 62040-2
	Operation	VFI-SS-11 (EN-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.

