SLC ADAPT2

On-line double-conversion modular rack UPS with modules 10 and 15 kVA

SLC ADAPT2: Modularity, optimisation and efficiency in electrical safety for data centres

Salicru's **SLC ADAPT2** series UPSs are on-line double-conversion modular solutions for superior electrical protection, featuring DSP control and three-level IGBT technology.

Modularity: The range of modules available -10 and 15 kW- together with the different configurable systems -2, 3, 4 and 6 modules per system- enables adaptation to any environment, with the option of paralleling systems to achieve greater protection or increased power. Preventative diagnosis and frontal extraction of the modules drastically reduces intervention times (MTTR) and increases the availability of the system.

Optimisation: High power density, modules occupying only 2U of height require less space in data centres and reduce installation and working costs (TCO). Moreover, expenditure can be optimised by simply adding new modules in line with the pace of growth of the data centre.

Efficiency: The modules with a unity output power factor (kVA = kW) operate with an efficiency up to 96% (depending on model) and a very flat performance curve for all working modes, resulting in less exertion when cooling and significant energy savings. They also feature various operating modes (Eco-mode, Hibernation, Smart-Efficiency, etc.), which further increase the performance and efficiency of the system.

Applications: Scalable protection for better adaptation to growing needs

Salicru's **SLC ADAPT2** series modular solutions ensure reliability, quality and continuity and provide improved protection for small and medium-power data centres, both modular and virtualised, as well as IT infrastructures and applications for associated critical processes, avoiding the enormous costs resulting from interruptions in the operation of data centres.

GREENERGY SLC SOLUTIONS

ISO 9001 SGS

ISO 14001 SGS

ISO 50001 SGS

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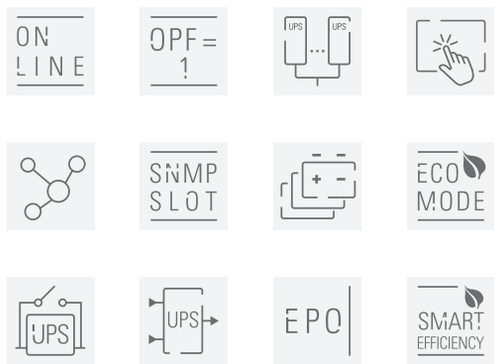
Performances

- Modular on-line double-conversion UPS solutions.
- Output power factor PF=1 (kVA=kW).
- High power density with 10 and 15 kVA modules occupying only 2U of height.
- Maximum flexibility with 2, 3, 4 and 6 module systems.
- Parallel growth, up to 450 kVA.
- Hot-pluggable and swappable plug & play modules.
- Input power factor >0.99.
- Flexible configurations 1/1, 1/3, 3/1 and 3/3.(1)
- Standard Nimbus IoT connection for monitoring, optional.
- 7" LCD colour touchscreen, LEDs an keypad.
- Up to 96% efficiency of modules in Online mode (depending on model).
- Eco-mode operation for improved efficiency.
- Cold start function for start-up without mains, optional.
- Smart hibernation mode to extend the life of the modules.
- Smart charger of up to 20% of the power of the system.
- USB, RS-232, RS-485 and potential-free contact communication channels.
- SNMP/ Ethernet and relays, as options.
- Multi-platform management and monitoring software.



(1) For systems with 10 kW modules.

Display

- 7" colour touchscreen.
- Large touchpanel display that provides status information and useful records.

Built-in cabinet

Possibility of assembling the module systems in 1100/1600/2000 mm high cabinets with or without batteries included. Batteries can also be installed in additional cabinets.

Continuous surveillance

By integrating the equipment as feature of Salicru's Nimbus-cloud (optional), it is permanently monitored and provides a continuous analysis of the level of protection provided.

Remote maintenance

There are multiple remote maintenance options through the Nimbus Services connections, both in modalities and response, allowing immediate actions in case of incidents or advances on anomalous situations.

Range

MODULES	CODE	POWER (VA / W)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC ADAPT2 10	694AB000008	10000 / 10000	590 × 436 × 85	15.3
SLC ADAPT2 15	694AB000009	15000 / 15000	590 × 436 × 85	15.5

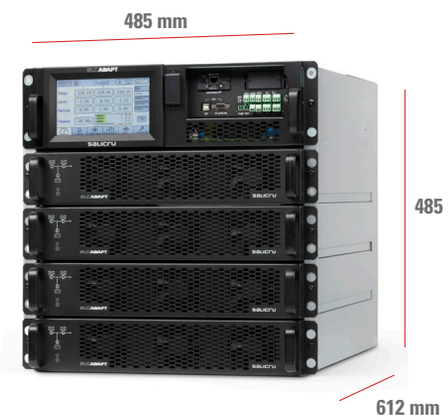
SYSTEMS	CODE	NO. MODULES (#)	MAX. POWER PER SYSTEM (kVA)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
SLC-#/2 ADAPT2 30	694RA000221	1 to 2 × 10 kVA/1 to 2 × 15 kVA	20/30	612 × 485 × 309	57
SLC-#/4 ADAPT2 45	694RA000222	1 to 4 × 10 kVA/1 to 3 × 15 kVA	40/45	612 × 485 × 485	66
SLC-#/6 ADAPT2 90	694RA000223	1 to 6 × 10 kVA/1 to 6 × 15 kVA	60/90	751 × 485 × 1033	100

Nomenclature, dimensions and weights for devices with input voltage 3 x 400 V, output voltage 3 x 400 V.
Replace # with the number of system modules.
19'' rack format for 2, 3 and 4 slot systems.
Batteries located in additional cabinets.
The weight shown corresponds only to the system, without modules.

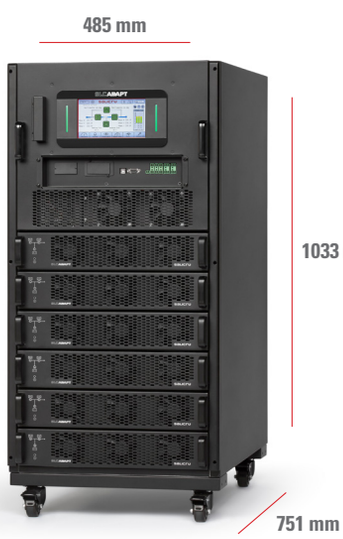
Dimensions

SLC ADAPT2 10
SLC ADAPT2 15

SLC-#/2 ADAPT2 30



SLC-#/4 ADAPT2 45



SLC-#/6 ADAPT2 90

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Technical specifications

MODEL		SLC ADAPT2	
Module power (VA/W)		10000 / 10000	15000 / 15000
TECHNOLOGY		On-line double-conversion, HF, DSP control	
INPUT	Rated single phase voltage	220 / 230 / 240 V	Not available
	Rated three-phase voltage (3P + N + E)	3 × 380 / 400 / 415 V	
	Voltage range	-40% +25% (Depending on charge)(1)	
	Frequency range	40 - 70 Hz	
	Total harmonic distortion (THDi)	≤3%	
	Power factor	>0.99	
OUTPUT	Power factor	1	
	Single phase rated voltage	220 / 230 / 240 V	Not available
	Rated three-phase voltage (3P + N + E)	3 × 380 / 400 / 415 V	
	Static accuracy	±1%	
	Total harmonic distortion (THDv)	≤1% linear load; ≤5% non-linear load	
	Frequency	50 / 60 Hz	
	Module performance (On-line)	96%(2)	
	Performance in Smart Eco-mode	99%	
	Admissible overloads	≤110% for 1 hour / ≤125% for 10 min / ≤150% for 1 min	
	Crest factor	3:1	
MANUAL BYPASS	Type	Uninterrupted (optional)(3)	
STATIC BYPASS	Type	Static thyristor	
	Transfer time	0 ms	
	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	
	Charger bus voltage	Configurable between +/-192 and +/-264 Vdc	
	Charger maximum power (W)	20% of total system power	
COMMUNICATION	Display	7" touchscreen and LEDs	
	Ports	USB, RS-232, RS-485 and relays	
	Intelligent slot	1 × Nimbus SNMP / 1 × Nimbus extended relays	
GENERAL	Operating temperature	0º C ÷ +55º C(4)	
	Relative humidity	Up to 95%, non-condensing	
	Maxium operating altitude	2,400 masl(5)	
	Acoustic noise at 1 metre	<54 dB(A) (According to number of modules)	
SYSTEMS	Maximum no. modules per system	2, 4, or 6	2, 3, or 6
	Maximum power per system	20, 40, 60 kVA	30, 45, 90 kVA
	Maximum no. modules systems	30	
	Maximum power per parallel system	300 kVA	450 kVA
STANDARDS	Safety	EN IEC 62040-1	
	Railway	EN 50121-4 / EN50121-5	
	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 from -20% to -40%.
(2) Depending on model.
(3) Not included in subracks. Excellent for cabinet systems.
(4) Power derating for higher altitudes up to +40ºC.
(5) Power degradation for higher altitudes, up to a maximum of 5,000 masl.