



SLC ELITE / SLC ELITE MAX

UNINTERRUPTIBLE POWER SUPPLY FROM 60 TO 300 kVA

► SLC ELITE / SLC ELITE MAX: New protection solutions of high quality performances

The **SLC ELITE** and **SLC ELITE MAX** series, On-line double conversion with THF technology (Transformerless High Frequency), with power rate range between 60 and 300 kVAs, are positioned in the top of the **SALICRU** UPS range and they are one step more in both the protection and the quality of the three phase power supply of high efficiency.

The design premises of these series are to have a final product that gathers the maximum quality performances regarding flexibility, operability, reliability and the lowest possible cost of exploitation, thoroughly achieved thanks to their specifications of modularity, parallel capacity, fault tolerance, high efficiency, easiness of exploitation and adaptability to the different work environments. All these quality performances become them into the suitable system of protection for computer environments, telecommunications or critical systems of processes and infrastructures.

► QUALITY PERFORMANCES

- On-line double conversion with PLD control.
- Walk-in or soft start rectifier.
- Input power factor > 0,95.
- Parallel upgrading up to 8 equipments (parallel kit as standard).
- Ring topology for redundant configurations.
- THF inverter technology (transformerless) in all models.
- Batt-Watch control for batteries to recharge them quickly, surveillance and extreme cares.
- AGM 10 years battery lifetime, as standard.
- Static and maintenance bypass in all the equipments, as standard.
- User interface by means of alphanumeric display programmable in several languages.
- Heat dissipation system, Fluid-Cooling⁽¹⁾
- Selectable operating inverter / Eco-Mode.
- THDi < 5% with HarmonicLess.
- The best ratio power / footprint.
- Permissible power factor till 0,8 either for leading or lagging loads.



► SLC ELITE equipment



► SLC ELITE MAX equipment

► APPLICATIONS: Suitable for all the environments

Data centers: So far, the data are the most powerful value in business, becoming the cost per hour of mains faults into astronomical values – applications and communication servers, data storing bases, active network elements, etc –.

Telecommunications: The communication era impacts in the necessity of avoiding power supply faults that can break the communication among the subscribers – Internet centers, telephony infrastructure, mobile switching centers, radio/television stations, etc –.

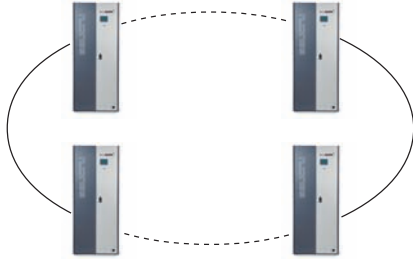
Industrial processes: Ambient electrically complicated, polluted environments and special mechanical requirements are some of the scenarios of industrial work where the purpose is to provide safety energy to difficult environments – continuous critical processes, monitoring, instrumentation, safety systems, etc –.

(1) **SLC ELITE MAX** series

SLC ELITE SLC ELITE MAX

► PARALLEL architecture

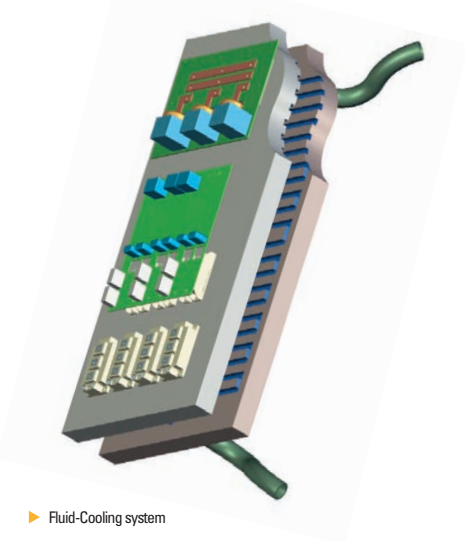
To answer to the availability requests with the most exigency and to the necessity of growth and to the installation evolution, the **SLC ELITE** and **SLC ELITE MAX** series allow the parallel operation up to 8 units.



► Ring topology

► FLUID-COOLING

► New heat dissipation system that consists in the circulation of high efficiency transport fluid.



► Fluid-Cooling system

► COMMUNICATIONS

- RS-232, AS-400 and relays interfaces, as standard.
- Monitoring and file closing software. ⁽¹⁾
- Remote panel. ⁽¹⁾
- SNMP adaptor. ⁽¹⁾
- Telemanagement software SICRES. ⁽¹⁾
- MODBUS protocol. ⁽¹⁾
- RS-485 protocol. ⁽¹⁾
- 2nd RS-232 port. ⁽¹⁾

⁽¹⁾ Option

► TOTAL availability (options)

- HarmonicLess.
- Extended autonomies.
- External manual bypass.
- Galvanic isolation in the bypass line.
- Non-standard frequencies or voltages.
- Separate inputs for rectifier and bypass.



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► TECHNICAL SPECIFICATIONS

MODEL		SLC ELITE	SLC ELITE MAX
TECHNOLOGY		On-line, double conversion, PLD control	
INPUT	Voltage	3 x 380 V / 3 x 400 V / 3 x 415 V	
	Voltage range	3 x 330 V ÷ 480 V	3 x 320 V ÷ 480 V
	Frequency	40 ÷ 70 Hz	
	Rectifier	Walk-in type	
	Total harmonic distortion (THDi)	< 5% ⁽²⁾	
	Power factor	> 0,99 ⁽²⁾	> 0,96
OUTPUT	Voltage	3 x 380 V / 3 x 400 V / 3 x 415 V	
	Accuracy	Steady state	± 1%
		Dynamic state with load steps	± 4% 50%
	Frequency	Synchronised	Selectable ± 1%, ± 2%, ± 5% and ± 10%
		Free running	± 0,005% ± 0,0001%
	Maximum slew rate	± 1 Hz/s	
	Efficiency	> 92%	> 95%
	Total harmonic distortion (THDv)	< 2%	
	Dynamic response time	50 ms	
	Permissible overload	125%	10 minutes
		150%	5 seconds Immediate
STATIC BYPASS	Type and activation criteria	Solid state, PLD control	
	Transfer time	Nil	
	Voltage	3 x 380 V / 3 x 400 V / 3 x 415 V	
	Re-transference	Automatic after alarm disappearance	
	Permissible overload	1000% for 100 ms	
	Transfer to Bypass	Immediate for overloads higher than 150%	
MANUAL BYPASS	Transfer type	Manual	
	Voltage	3 x 380 V / 3 x 400 V / 3 x 415 V	
	Frequency	50 / 60 Hz	
BATTERIES	Type	Pb-Ca, maintenance free, gas recombination	
	Recharge time	From end of autonomy till 80% of the capacity, 4 hours	
	Protection	Against overvoltage, undervoltage and alternating current	
	Charge voltage control	Batt-Watch	
GENERALS	Operating temperature	0° C ÷ + 40° C	
	Relative humidity	Up to 95% non-condensing	
	Operating altitude	2400 m.a.s.l.	
STANDARDS	Safety	EN-62040-1-2 / EN-60950-1	
	Electromagnetic compatibility (EMC)	EN-62040-2	
	Operating	VFI in accordance with EN-62040-3	
	Marking	CE	
	Manufacturing	ISO-9001 TÜV	

⁽²⁾ HarmonicLess solution

Data liable to changes without prior notice.

► SLC ELITE RANGE

MODEL	POWER (kVA/k W)	Nr. UPS + BAT CABINETS	UPS DIMENSIONS (F x AN x AL mm)	WEIGHT (Kg) ⁽³⁾	BAT DIMENSIONS (F x AN x AL mm)	WEIGHT (Kg) ⁽³⁾
SLC-60-EL	60 / 48	1 + 1	730 x 710 x 1800	295	830 x 790 x 1800	547
SLC-80-EL	80 / 64	1 + 1	730 x 710 x 1800	330	830 x 790 x 1800	726
SLC-100-EL	100 / 80	1 + 1	730 x 710 x 1800	370	830 x 790 x 1800	726
SLC-120-EL	120 / 100	1 + 1	730 x 710 x 1800	450	830 x 790 x 1800	870

► SLC ELITE MAX RANGE

MODEL	POWER (kVA/k W)	Nr. UPS + BAT CABINETS	UPS DIMENSIONS (F x AN x AL mm)	WEIGHT (Kg) ⁽³⁾	BAT DIMENSIONS (F x AN x AL mm)	WEIGHT (Kg) ⁽³⁾
SLC-160-ELM	160 / 128	1 + 1	800 x 1240 x 1800	570	830 x 790 x 1800	1190
SLC-200-ELM	200 / 160	1 + 1	800 x 1240 x 1800	600	830 x 1400 x 1800	1640
SLC-250-ELM	250 / 200	1 + 1	800 x 1240 x 1800	630	830 x 1400 x 1800	1640
SLC-300-ELM	300 / 240	1 + 1	800 x 1240 x 1800	630	830 x 1400 x 1800	1776

^(*) Estimated autonomy between 4 and 8 minutes, with 3x400V input / output voltages.
Consult dimensions and weights for other configurations.

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UNINTERRUPTIBLE POWER SUPPLY (UPS)

^(*) Spain only ^(**) Rest of the World