salicru

UNINTERRUPTIBLE POWER SUPPLIES (UPS)
LIGTHING FLOW DIMMER-STABILISERS
DC POWER SYSTEMS
STATIC INVERTERS
PHOTOVOLTAIC INVERTERS
VOLTAGE STABILISERS
TECHNICAL SUPPORT & SERVICE

SLC X-TRA Uninterruptible Power Supplies from 100 to 800 kVA

SLC X-TRA: High performance protection for major critical applications

The **SLC X-TRA** series is one of the most reliable, high-performance three-phase Uninterruptible Power Supply system (UPS) on the market, and provides protection and quality energy for a wide range of applications. Based on the Voltage and Frequency Independent (VFI) mode of operation, it has been developed using double conversion IGBT of three level for rectifier technology with DSP control, which gives considerable savings in the costs of operation and installation while it offers maximum protection for the connected loads. This series has been conceived to offer the best guarantees in meeting customers' requirements and needs and has been designed in full respect of the most demanding environmental regulations.

The **SLC X-TRA** series features power range from 100 to 800 kVA in a very compact format for easier installation. Plus, the reliability of the system can be increased with the installation of several redundant units or it can grow in parallel based on the needs of the installation.

Performances

- On-line, double conversion, DSP control.
- Double input connection to increase the availability.
- Input power factor >0.99.
- Total harmonic distortion of input current (THDi) < 3%.
- High energy efficiency between 95% and 96%. (Three level for rectifier)
- Zig-zag transformer on the output inverter.
- Parallel for redundancy or increase the power capacity.
- Compatible with generating sets.
- Selectable operation inverter/Smart Eco-mode.
- Efficiency in Smart Eco-mode >98%.
- Prepared to bear loads with FP =0.9.
- Batt-Watch battery monitoring and care.
- Calculates available back-up time in a long-term failure.
- Compact format to save on installation space.
- Easy installation, operation and maintenance.
- A wide range of control and monitoring options.
- Large variety of options available.
- SLC Greenergy solution.

SLC X-TRA 100 kVA

SLC X-TRA 600 kVA

salicru SMART SOLUTIONS

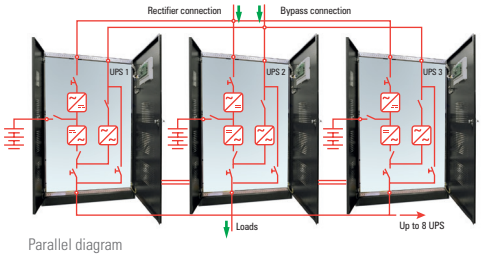
Applications: Guaranteed energy for all environments

Data centres: Ensures the functionality of environments and prevents losses caused by mains failures.
IT-Networks: Prevent costs due to service interruptions or loss of information.
Financial services: Maintains online operability of financial transactions and operations.
Industrial processes: Protects productivity in electrically complicated environments.
Telecommunications: Prevents supply failures that can suspend communication between subscribers.
Infrastructures: Safeguards the instruments/equipment and ensures the proper management of the systems.

SLC X-TRA

Uninterruptible Power Supplies from 100 to 800 kVA

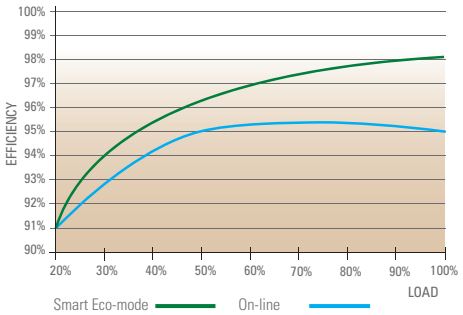
Parallel growth



Parallel diagram

The parallel UPS can be configured to achieve redundancy or increase the power capacity of the system. Parallel control is fully digital and works for active as well as reactive power in each phase, achieving an exact load distribution between the UPS units in transitory conditions.

High energy efficiency



High performance both On-line mode (between 95% and 96%) and Smart Eco-mode (>98%), reducing operating costs, implementation costs (no need to oversize the wiring), air conditioning costs (without increasing cooling requirements) and working costs (saving energy consumed).

Adaptability

- Parallel/redundant kit.
- Extended autonomies.
- NiCd Batteries.
- BACS II.
- MODBUS protocol + RS-485 interface.
- SICRES platform for remote telemanagement.
- Ethernet / SNMP adapter or GPRS modem.
- Monitoring, management and shutdown software.
- Common input connection.
- Top cable input.
- External manual bypass.

Total availability

- Advisory service before and after the sale.
- Start up.
- Telephone technical support.
- Preventive / corrective interventions.
- Maintenance contracts.
- Telemaintenance contracts SICRES.
- Training courses.

@salicru_SA

www.linkedin.com/company/salicru

TECHNICAL SPECIFICATIONS

MODEL			SLC X-TRA
TECHNOLOGY			On-line, double conversion, DSP control
INPUT	Nominal voltage		Three-phase 3 x 380 V / 3 x 400 V / 3 x 415 V (3Ph+N)
	Voltage margin		+15% / -20% (@ 3 x 400 V)
	Frequency		50/60 Hz (45-65 Hz)
	Total Harmonic Distortion (THDi)		<3%
	Power factor		>0.99
OUTPUT	Nominal voltage		Three-phase 3 x 380 V / 3 x 400 V / 3 x 415 V (3Ph+N)
	Precision		±1% Steady state; ±5% Dynamic state (100% unbalanced) <20 ms recovery time
	Frequency		50/60 Hz
	Total Harmonic Distortion (THDv)	Linerar load	<1%
		Non-linear load	<5%
	Efficiency	On-line	95% ÷ 96%
		Smart Eco-mode	>98%
	Admisible overload		125% for 10 min. / 150% for 1 min.
STATIC BYPASS	Type and activation criteria		Solid state, control by microprocessor
	Input		Independent
	Voltage		Three-phase 3 x 380 / 3 x 400 / 3 x 415 V (3Ph + N)
	Frequency		50/60 Hz
	Transfer time		Nil
	Transfer to bypass		Immediate for overloads of over 150%
	Retransfer		Automatic after alarm disappearance
	Admisible overload		1000% for 1 cycle
MANUAL BYPASS	Type		Without interruption
	100 – 300 kVA		As standard
RECTIFIER	Structure		Three-phase IGBT complete wave, soft start and PFC
	Protection		Against transitory overvoltages
BATTERIES	Type (1)		Lead acid, sealed, maintenance free
	Protection		Against overvoltages and undervoltages
	Charging time		4 hours, @ 80% of capacity
	Charge voltage regulation		Batt-Watch
	Test		Manual + Automatic
COMMUNICATION	Ports		RS-232, USB, Emergency Power Off (EPO), Port for monitoring battery switch
	Display		LCD + LED block diagram
GENERALS	Operating temperature		0º C ÷ +40º C
	Relative humidity		Up to 95%, non-condensing
	Operating altitude		<1.000 m.a.s.l.
	Acoustic noise @ 1 metre		<60 dB
STANDARDS	Safety		EN-62040-1-2; EN-60950-1
	Electromagnetic Compatibility (EMC)		EN-62040-2
	Operating		VFI-SS-111 according to EN-62040-3
	Quality and Environmental Management		ISO 9001 and ISO 14001

(1) Ni-Cd under request.

Data may change without previous notice.

RANGE

MODEL	POWER (kVA / kW)	Nº CABINETS (UPS + BAT)	UPS DIMENSIONS (D x W x H mm)	WEIGHT (kg)	BAT. DIMENSIONS (D x W x H mm)	WEIGHT (kg)
SLC-100-XTRA	100 / 90	1 + 1	825 x 815 x 1670	630	855 x 1305 x 1905	875
SLC-125-XTRA	125 / 112,5	1 + 1	825 x 815 x 1670	662	855 x 1305 x 1905	1370
SLC-160-XTRA	160 / 144	1 + 1	825 x 815 x 1670	720	855 x 1305 x 1905	1370
SLC-200-XTRA	200 / 180	1 + 1	855 x 1220 x 1905	870	855 x 1305 x 1905	1550
SLC-250-XTRA	250 / 225	1 + 1	855 x 1220 x 1905	1020	855 x 1305 x 1905	1800
SLC-300-XTRA	300 / 270	1 + 2	855 x 1220 x 1905	1200	855 x 1305 x 1905	1370
SLC-400-XTRA	400 / 360	1 + 2	990 x 1990 x 1920	1820	855 x 1305 x 1905	1800
SLC-500-XTRA	500 / 450	1 + 2	990 x 2440 x 2020	2220	855 x 1305 x 1905	1800
SLC-600-XTRA	600 / 540	1 + 2	990 x 2440 x 2020	2400	855 x 1305 x 1905	2125
SLC-800-XTRA	800 / 720	1 + 3	990 x 3640 x 1920	3600	855 x 1305 x 1905	1925

Nomenclature, dimensions and weights for units with input voltage 3 x 400 V, output voltage 3 x 400 V and standard backup time.

+34 93 848 24 00 WWW.SALICRU.COM
AVDA. DE LA SERRA 100 · 08460 PALAUTORDERA (SPAIN) · FAX +34 93 848 11 51 · salicru@salicru.com