

ENERGY EFFICIENT SOLUTIONS

For over 50 years, **Salicru** has been able to adapt to the evolution of the power electronics market and constantly develop in all of its business areas. This has enabled the company to become a leading centre of technological transfer in the field of security electronics, as a way of responding to the new challenges and needs of society.

Salicru is Spain's market leading power electronics company. Founded in 1965, its main business is the development, manufacture and marketing of products designed to protect industrial, professional and household systems from problems caused by mains power supply disturbances.

Its main mission is to guarantee a continuous, clean, economical, reliable and ecological electricity supply to its customers, for which

it offers a wide range of products capable of providing solutions for the most sensitive systems and most demanding markets.

In addition to developing, manufacturing and marketing products, the experience that **Salicru** has accumulated over its history has led it to also providing engineering and consulting services to its customers to assist them in resolving electricity supply issues.

+ 50 years
of industrial activity

1965

2 production centres:
Spain and China



90.000 production
equipment per year

900.000 operating
equipment around
the world

12

National offices

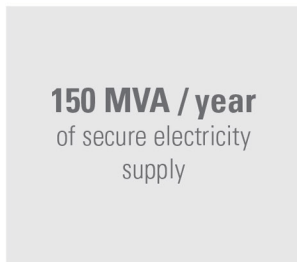


7
International subsidiaries

60
Countries where our branch
is featured



150 MVA / year
of secure electricity
supply



5% of our turnover allocated
to **R&D**



ISO 9001 and ISO 14001



SALICRU



Devices

SPS ONE

Line-interactive UPS 500VA - 2,000VA



- Line-interactive technology.
- Backup battery for power supply interruptions.
- Automatic voltage stabilisation (AVR).
- Pseudo sine wave output voltage.
- Automatic restart when power supply restored.
- USB communication interface with HID protocol.
- Monitoring software for Windows, Linux and Mac.

SPS ADVANCE T

Line-interactive sine-wave UPS tower 850VA to 3,000VA



- Line-interactive technology with sine-wave output.
- Permanent AVR stabilisation (buck-boost).
- Compact tower format.
- RS-232 and USB-HID communication interfaces.
- Monitoring and management software for Windows, Linux and Mac.
- Smart slot for SNMP adapter.

SPS ADVANCE RT2

Line-interactive sine-wave UPS 800VA to 3,000VA



- Line-interactive technology with sine-wave output.
- Permanent AVR stabilisation.
- Output power factor PF=0.9.
- Control panel with swivel mount LCD display and keypad.
- Convertible tower/rack format (2U).
- Backup extensions available for all power ratings.

SLC TWIN PRO2

On-line double-conversion UPS 700VA to 20kVA



- On-line double-conversion UPS.
- Output power factor = 1 (up to 3kVA=0.9)
- Control panel with LCD display and keypad.
- Parallelable up to 3 units. ⁽¹⁾
- Eco-mode operation.
- Tower format.
From 4kVA

SLC TWIN RT2

On-line double-conversion tower/rack UPS 700VA to 10,000VA with PF=1



- On-line double-conversion technology.
- Output power factor PF=1. ⁽¹⁾
- UPS models with extra charger for backup extensions.
- Smart slot for SNMP/potential-free contacts/MODBUS.
- Programmable outputs for critical/non-critical loads. ⁽²⁾
- Parallelable up to 3 units. ⁽³⁾
- PDU strip for distribution of output loads. ⁽³⁾

(1) Except for backup extensions from 4kVA
(2) For devices of up to 3kVA
(3) For devices from 4kVA

SLC CUBE3+

Uninterruptible power supply 7.5kVA to 200kVA



- On-line double-conversion technology (VFI) with DSP control.
- Unity input power factor (PF=1) .
- Very low input current distortion. (THDi to < 1%).
- Total flexibility in input/output voltages. ⁽¹⁾
- Designed to withstand any kind of load.
- Batt-Watch function for monitoring and battery care.

(1) Single/single, single/three and three/single configurations up to 60kVA

Devices

SLC ADAPT / X

On-line double-conversion modular rack UPS 10kVA to 1,500kVA



- On-line double conversion technology with modular architecture.
- Possibility of parallel/redundant operation up to 1,500kVA.
- Hot-pluggable and swappable plug & play modules.
- Flexible configurations 1/1, 1/3, 3/1 and 3/3.
- Control and management by means of LCD display, LEDs and keypad.
- Smart-efficiency mode to optimise system performance.
- Compact design to save space in server rooms.

DC POWER-S

DC energy systems



- Maximum power per system up to 81 kW.
- Flexible, scalable and N+n redundant systems, configurable for current demand and future expansion.
- Option of single or three-phase power supply.
- Power systems with output voltages of 24, 48, 110, 125 and 220 Vdc.
- High power density in modules, up to 27 W/in³.

RE3

Electronic voltage stabiliser 300 VA to 250 kVA



- Ultra-fast regulation: Response speed less than 100 ms.
- Independent digital control and parameter programming per phase.
- Static bypass, loads always powered.
- In three-phase devices, independent regulation per phase, unaffected by imbalances.
- Output accuracy better than $\pm 2\%$.
- Input regulation range from $\pm 15\%$ as standard.
- Performance higher than 97%.

SLC X-TRA

Uninterruptible power supply 100kVA to 800kVA



- On-line double-conversion technology, DSP control.
- Double input connection to increase availability.
- Input power factor > 0.99 .
- Input current distortion (THDi) ratio $< 3\%$.
- High energy efficiency, between 95% and 96%.
- Inverter/Smart Eco-mode selectable operation.

DC POWER-L

Thyristor-controlled rectifiers 10A to 200A



- Microprocessor-controlled thyristor technology.
- Galvanic isolation between input and output via transformer.
- Ventilation by natural convection.
- Complete six-pulse bridge.
- Standard DC output earth fault detection.
- Electrolyte level detection for NiCd batteries (optional).
- Charging states: float, quick and exceptional.

EMI3

Servomotor voltage stabiliser 5 kVA to 330 kVA



- Fast and efficient toroidal autotransformers for the entire power range.
- Output accuracy better than 1% (adjustable).
- In three-phase units, common or independent regulation per phase, unaffected by imbalances.
- Input regulation range $\pm 15\%$ standard.
- High efficiency, up to 97.5%.

Devices

CV30-PV

Variable frequency drives for solar-powered water pumping from 0.4 kW to 75 kW



- Integrated advanced MPPT algorithm.
- Automatic start-up and shutdown depending on solar radiation.
- Detection of dry well and full tank.
- Considerable reduction in the number of solar panels required thanks to the optional booster module (up to 2.2 kW).

CONTROLVIT

Variable frequency drives from 0.2kW to 500kW



- Selectable control: V/f, sensorless vector or torque control. ⁽¹⁾
- Automatic motor tuning (static and dynamic). ⁽¹⁾
- Built-in or optional EMC filter with easy connection. ⁽¹⁾
- Advanced PID process control.
- Automatic energy saving.
- Sleep/wake function for control of up to 3 pumps.

(1) Depending on model

IT-M

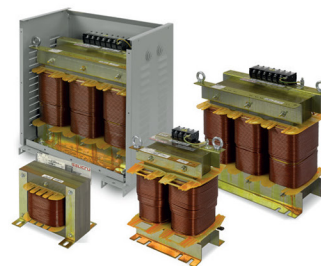
Single-phase command and control transformers



- Power range: 25 VA to 2000 VA.
- Typical input voltages up to 460 V.
- Voltage selection using jumpers included.
- Insulation class HC windings.
- Connection group Ii0.
- Protection against electric shock Class I.

IT

Electrical transformers and autotransformers



- Class F insulators.
- Ventilation by natural convection (ANAN).
- Insulation class H windings.
- Power range: 1kVA - 300kVA.
- Single-phase Ii0 and three-phase Dyn11 connection configuration.
- Factors available: K-4, K-13 and K-20.
- Versions available: box or panel mounting.

EQUINOX

Photovoltaic inverters from 2 kW to 30 kW



- IP65 protection rating allows outdoor use.
- Wide MPPT tracker voltage range for more flexible string design.
- Integrated DC disconnect.
- Supervision of the installation via free EQX-sun.
- LCD for start-up, configuration and viewing of production data.
- 5-Year warranty, extendable to 20 years.



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SALICRU

A Centena Group Company



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