

EQUINOX2

On-grid and hybrid solar inverters from 2 to 100 kW

salicru

EQUINOX2

Solar inverters from 2 to 100 kW

Top-quality renewable energy generation

SALICRU's new EQUINOX2 series brings a wide range of quality solar inverters with high-level performance specifications to the market.

The EQUINOX2 family is available in 4 different versions:

- **EQUINOX2 S/SX** a single-phase on-grid inverter with a range of 2 to 10 kW.
- **EQUINOX2 T**, a three-phase on-grid inverter with a power range of 4 to 100 kW.
- **EQUINOX2 HSX** a single-phase hybrid inverter offering a range of 3 to 8 kW and unrivalled versatility thanks to its 6 operating modes, complemented by an **EQUINOX 2 BATT**.
- **EQUINOX2 HT** the three-phase version of the hybrid inverter. Available from 4 to 12 kW, also compatible with the **EQUINOX2 BATT**.

SALICRU leads the way in the renewable energy market by offering quality components, incomparable thermal efficacy, some of the highest performance specifications in the market, outstanding finishes, advanced connectivity and a nationwide Technical Service.

The elegant design, well-defined shapes and neutral colours of SALICRU's products complement their high-level specifications, giving them a unique identity that offers a fitting visual expression of their quality.

In terms of connectivity, SALICRU's in-house designed EQUINOX APP and WEB provide detailed information on the energy generated, consumed, and fed into the grid, adapting to the customer's requirements and depending on the inverter model and options chosen.



Equinox2 range

Features

EXCEPTIONAL FINISHES

Simple lines and neutral colours make the **EQUINOX2** an elegant and discreet product that blends seamlessly into any environment.

The OLED matrix display offers comprehensive information at all times.

Aluminium body and front cover, painted with high resistance powder coating.

IP65 protection rating.

THERMAL OPTIMISATION

The main body of the **EQUINOX2** is a die-cast aluminium monoblock with a moulded heat sink to facilitate maximum thermal dissipation.

The internal layout of the elements optimises heat distribution.

The low levels of thermal stress placed on the components extends their useful life to the maximum.

FULL CONNECTIVITY

Generation, consumption and network monitoring via mobile phone or tablet with the **EQUINOX APP** and WEB.

24-hour monitoring option.

SUPERIOR WARRANTY

High-quality components made by leading brands.

10-year warranty for on-grid models.

5-year warranty for hybrid models.



EASY INSTALLATION

Reduced dimensions and weight for easy handling during assembly.

Large connection area, facilitating installation.

Complete solution: Includes wall mounting bracket, fixing screws, expansion bolts, wifi antenna, current measuring device, DC connectors, AC connector and communications connector.

MAXIMUM PERFORMANCE

Wide MPPT range.

Extremely low start-up voltage, allows generation even with low irradiation.

High conversion efficiency and input current adapted to high-performance panels.

Complete solution

Like **SALICRU**'s previous inverter ranges, the **EQUINOX2** inverters have been designed to provide a complete solution that comes with everything you need to integrate the inverter into your setup (with a series of optional features to extend the device's capabilities even further).

Each device has a comprehensive OLED display screen for configuration and data visualisation, an isolator switch and DC surge protector, a monitoring antenna, AC and DC connectors, and the brackets and hardware required for installation.

Maximum availability

The **EQUINOX2 HSX** range of single-phase hybrid solar inverters makes maximum use of energy generated for self-consumption.

The **EQUINOX2 HSX** devices feature up to 6 operating modes. General or Automatic mode, Peak Load mode, Off-Grid mode, operation without batteries, UPS mode and Economy mode. In the latter, battery charging/discharging and usage times can be programmed from the APP or display.

In its backup mode, the system operates as a UPS capable of supplying 100% of the inverter's rated power to the loads, with automatic transfer in the event of a grid outage in less than 10 ms. The wide voltage range accepted by the **EQUINOX2 HSX** and **EQUINOX2 HT** hybrid inverters makes it possible to connect batteries in series of up to 10 stackable modules, which provide 25.6 kWh at a voltage of 512 V.



Interior or exterior installation

The robust finish and waterproof design of the **EQUINOX2**, which is manufactured in die-cast aluminium and coated with epoxy paint, allow for both interior and exterior installation (sheltered from direct sunlight and protected from the rain) without fear of damage due to humidity or other climatic factors, as guaranteed by its IP65 protection rating.

Thermal properties

One of the main advantages of the **EQUINOX2** is that considerable emphasis was placed on its thermal behaviour during its design (the lower the temperature, the better the working environment for the components, preserving their performance and, above all, maintaining their useful life expectancy).

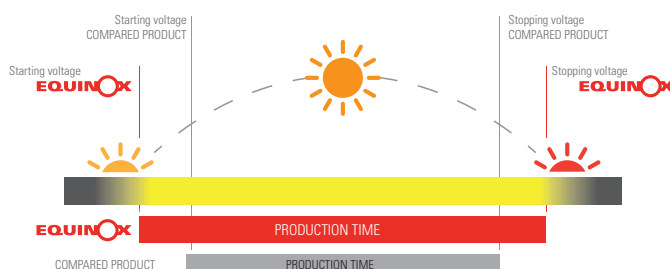
The **EQUINOX2** successfully optimises its operating temperature using a number of different strategies:

- The heat sink forms a single body with the rear aluminium casing of the device, thus preventing the thermal bridge rupture that occurs when switching from one heat sink body to another. The efficiency of the heat sink is, therefore, optimal.
- The landscape design of the devices allows for an orderly horizontal arrangement of their components, reducing the heat that rises to the top of the device and once again facilitating dissipation.
- The components are deliberately oversized to allow them to work at a lower rate, thus avoiding overheating and extending their useful life.

Maximum energy production

All of the models in the **EQUINOX2** series stand out for their low start-up voltage, which translates to maximum exploitation of solar radiation and a substantial increase in production hours compared to our competitors' products.

This increase is even more valuable during the winter months when the hours of good solar radiation are significantly reduced.



Comprehensive 24-hour monitoring

All the operating parameters of **EQUINOX2** devices can be monitored 24 hours a day (see available options) through our **EQUINOX APP** for iOS and Android and the WEB portal designed by our Connected Software department.

The end customer can also authorise the installer to visualise the setup's behaviour, giving them access to the first-hand information needed to provide an excellent maintenance and repair service. The kit supplied free of charge with our on-grid **S/SX** devices allows you to consult the generation, consumption and grid feed-in data (in case of compensation or sale of surpluses) during the hours of photovoltaic generation when solar panel voltage is available. Another option is 0 feed-in, preventing the release of surplus energy into the grid. For **EQUINOX2 T** inverters, the standard kit only provides generation data, but this can be completed and extended to 24h monitoring through the options offered by **SALICRU**. The hybrid systems, however, offer the 24h mode with generation, consumption and feed-in data as standard. 0 injection can also be implemented without the need for any optional device.

Our monitoring platform offers the following features: Real-time data consultation, historical datasets (day, month or year), information on financial savings and total CO2 reductions.

It also displays the self-consumption quota (giving you an idea of how effectively your installation is working) and the self-sufficiency quota (which indicates your setup's level of independence from the grid).

High-quality components

Following the philosophy applied to all our devices, **SALICRU** manufactures inverters with high-quality components produced by leading brands, thus ensuring continuity of supply, reliable operation and satisfactory service life compliance.

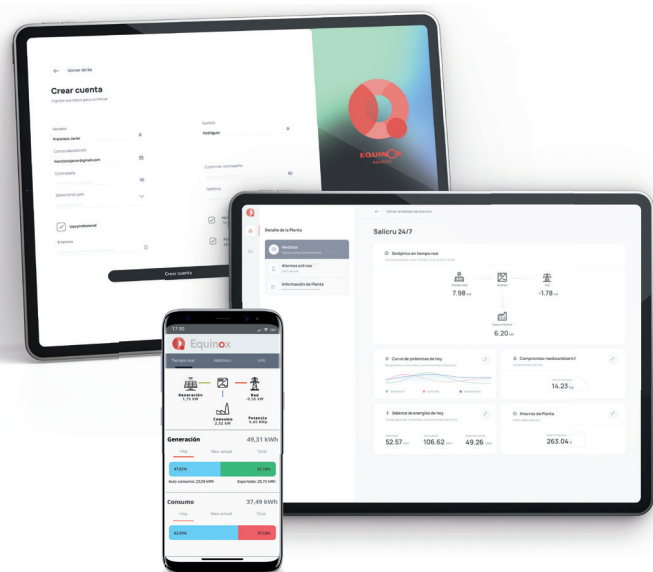
The quality of our products is also reflected by their low failure statistics. In this respect, our devices have a single control and power board, thus reducing the potential for interconnection errors and improving their MTBF stats.

In addition to maintaining stringent quality criteria, **SALICRU** firmly believes in the importance of incorporating new state-of-the-art technologies. Thus, some of the most significant technical advances used in our **EQUINOX2** devices include silicon carbide components, high-speed processors and OLED display screens, to mention just a few.

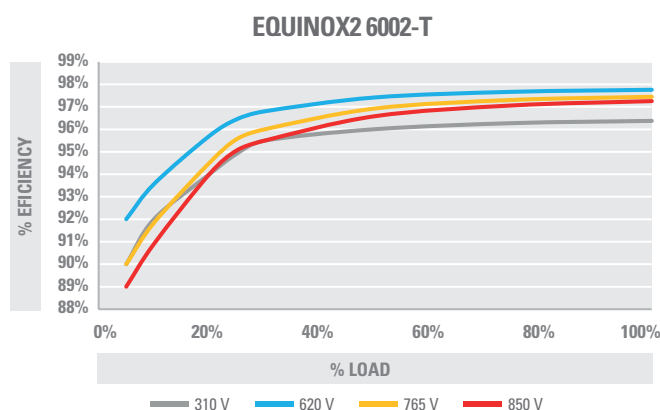
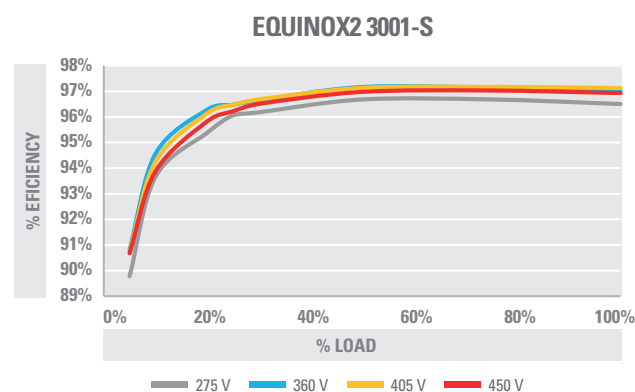
High efficiency

With an efficiency of up to 98.3%, the entire **EQUINOX2** range offers some of the best yield curves on the market at different operating voltages.

This is made possible by its transformerless 3-level HERIC topology and SVPWM (space vector pulse width modulation) control. As a result, the devices feature significantly reduced switching losses and distortion, consequently increasing their efficiency and improving the output waveform quality.



UI APP EQUINOX



General technical specifications

		EQUINOX2 RANGE
PROTECTION	Input DC disconnect	Included
	Integrated in the device	Inverse polarity DC, Residual Current, DC disconnect, Over-voltage, Over-temperature, Differential, Islanding operation, AC short-circuit, Over-voltage AC
GENERAL	Over-voltage protection category	PV: II / AC: II
	Contamination level	PD2 / PD3
	Self-consumption (at night)	<1 W
	Operating temperature	-30°C ~ +60°C (de-rate for temperature >45°C)
	Relative humidity	0~100%
	Maximum operating altitude	3,000 masl (power degradation up to 4,000 m)
	Maximum power	+10% Over nominal power
	Degree of protection	IP65
	Isolation	Transformerless
	DC terminal type	MC4
	Installation	Indoor and outdoor installation / Wall mount
COMMUNICATION	Topology	On-grid / Hybrid (according to model)
	Ports	RS485, WiFi/LAN (optional)
STANDARDS	Certificate	EN 61000-6-2/3 ⁽¹⁾
	Safety / EMC	IEC 62109-1/2 / EN 61000-6-2/3
	Energy efficiency	UNE EN IEC 61683
	Environmental tests	UNE EN IEC 60068-2-1/2/14/30
	Operation / Protection	UNE EN 62116:2014, IEC 61727:2004, UNE 217002:2020, UNE 217001:2020
WARRANTY	Quality and environmental management	ISO 9001, ISO 14001, ISO 45001
	Standard Warranty	10 years for On-Grid inverters, 5 years for hybrid
	Warranty extension	+5, +10 o +15 years added to the original warranty (according to model)

(1) Enquire for certifications available for other countries.



Range

On-Grid single-phase

MODEL	CODE	POWER (kW)	Nr. MPPTs	DIMENSIONS (D x W x H mm)	WEIGHT (Kg)
EQX2 2001-S	6B2AB000001	2	1	114 x 327 x 297	6,5
EQX2 3001-S	6B2AB000002	3	1	114 x 327 x 297	6,5
EQX2 3002-SX	6B2AB000007	3	2	120 x 410 x 360	13
EQX2 4002-SX	6B2AB000008	4,2	2	120 x 410 x 360	13
EQX2 5002-SX	6B2AB000009	5	2	120 x 410 x 360	13
EQX2 6002-SX	6B2AB000010	6	2	120 x 410 x 360	13
EQX2 8002-SX	6B2AB000020	8	2	175 x 550 x 410	24
EQX2 10002-SX	6B2AB000021	10	2	175 x 550 x 410	26

On-Grid three-phase

MODEL	CODE	POWER (kW)	Nr. MPPTs	DIMENSIONS (D x W x H mm)	WEIGHT (Kg)
EQX2 4002-T	6B2AB000018	4	2	175 x 550 x 410	23
EQX2 5002-T	6B2AB000019	5	2	175 x 550 x 410	23
EQX2 6002-T	6B2AB000011	6	2	175 x 550 x 410	23
EQX2 8002-T	6B2AB000012	8	2	175 x 550 x 410	23
EQX2 10002-T	6B2AB000013	10	2	175 x 550 x 410	23
EQX2 12002-T	6B2AB000014	12	2	175 x 550 x 410	23
EQX2 15002-T	6B2AB000015	15	2	175 x 550 x 410	26
EQX2 17002-T	6B2AB000026	17	2	175 x 550 x 410	29
EQX2 20002-T	6B2AB000016	20	2	175 x 550 x 410	29
EQX2 25002-T	6B2AB000017	25	2	175 x 550 x 410	29
EQX2 33004-T	6B2AB000022	33	4	270 x 600 x 400	42
EQX2 40004-T	6B2AB000023	40	4	270 x 600 x 400	42
EQX2 50004-T	6B2AB000024	50	4	270 x 600 x 400	42
EQX2 60004-T	6B2AB000034	60	4	270 x 600 x 400	42
EQX2 100010-T	6B2AB000033	100	10	290 x 975 x 680	82

Hybrid single-phase

MODEL	CODE	POWER (kW)	Nr. MPPTs	DIMENSIONS (D x W x H mm)	WEIGHT (Kg)
EQX2 3001-HSX	6B2AB000027	3	1	175 x 550 x 410	26
EQX2 4002-HSX	6B2AB000028	4,2	2	175 x 550 x 410	26
EQX2 5002-HSX	6B2AB000029	5	2	175 x 550 x 410	26
EQX2 6002-HSX	6B2AB000030	6	2	175 x 550 x 410	26
EQX2 8002-HSX	6B2AB000031	8	2	175 x 550 x 410	26

Hybrid three-phase

MODEL	CODE	POWER (kW)	Nr. MPPTs	DIMENSIONS (D x W x H mm)	WEIGHT (Kg)
EQX2 4002-HT	6B2AB000035	4	2	175 x 550 x 410	26
EQX2 5002-HT	6B2AB000036	5	2	175 x 550 x 410	26
EQX2 6002-HT	6B2AB000037	6	2	175 x 550 x 410	26
EQX2 8002-HT	6B2AB000038	8	2	175 x 550 x 410	28
EQX2 10002-HT	6B2AB000039	10	2	175 x 550 x 410	28
EQX2 12002-HT	6B2AB000040	12	2	175 x 550 x 410	28

Technical specifications EQUINOX2 S/SX

MODEL		EQX2 2001/3001-S	EQX2 3002÷6002-SX	EQX2 8002/10002-SX
INPUT	Maximum DC input voltage (Vdc)	500	600	
	Working-out rank (Vdc)	80 ÷ 450	100 ÷ 550	80 ÷ 550
	Inputs per MPPT	1	1/1	1/2
	Max. short-circuit current per MPPT	15 A	20 A/20 A	20 A/40 A
	Starting voltage (Vdc)	60	80	
	Nr. MPP trackers	1	2	
	Input maximum current per tracker (A)	12,5	15/15	15/30 ⁽¹⁾
OUTPUT	Power factor	0.8 inductive...0.8 capacitive		
	Network voltage	230 V Single-phase (L, N, PE) ⁽²⁾		
	Voltage ranges	195,5 ÷ 253 V according to UNE 217002		
	Total harmonic distortion (THDi)	<3%		
	Frequency	50 Hz (45,5 ÷ 55 Hz) / 60 Hz (55 ÷ 65 Hz)		
	Performance EU	97,0%	97,5%	97,60%
	Maximum performance	97,5%	98,1%	
	MPPT performance	99,9%		
INDICATIONS	Type	2 LED states, OLED display		
GENERAL	Cooling	Natural convection (no fans) ⁽³⁾		
	Acoustic noise at 1 metre	≤25 dB ⁽³⁾		

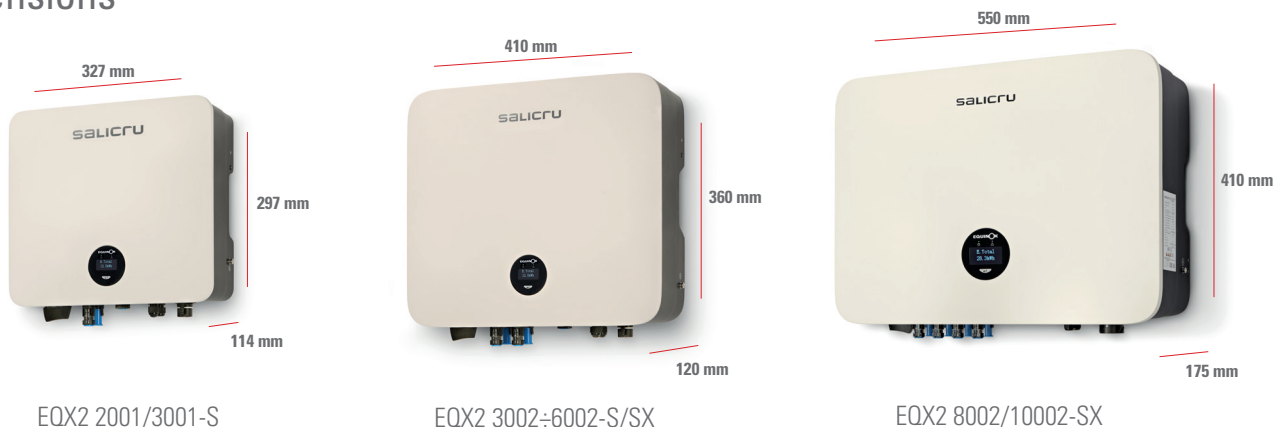
(1) For PV inverters with more than 1 string per MPPT, please enquire about potential current restrictions

(2) For 2 x 230 V two-phase voltages, ask

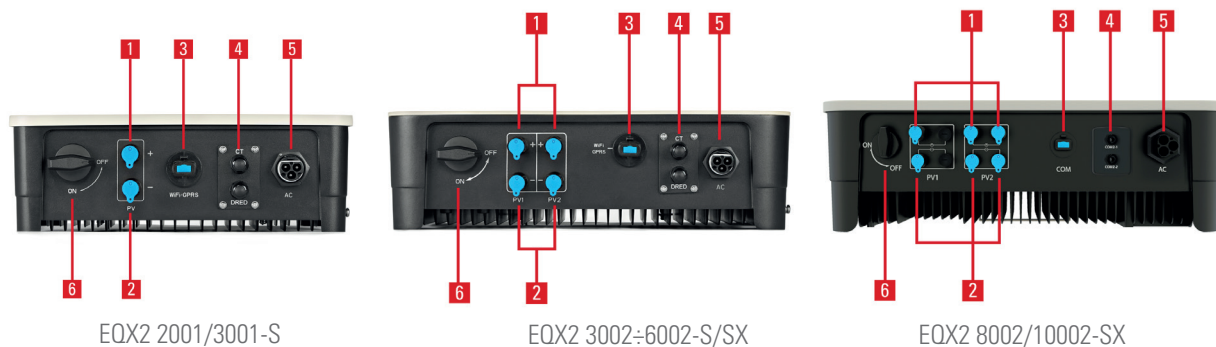
(3) For EQX2 10002-SX smart fan cooling and ≤40 dB

Information subject to change without notice.

Dimensions



Connections



1. Positive photovoltaic input terminals.
2. Negative photovoltaic input terminals.
3. Main communication port (communication module connection).

4. Auxiliary communication port (optional).
5. AC / mains output terminal.
6. DC switch

Technical specifications EQUINOX2 T

MODEL		EQX2 4002÷12002-T	EQX2 15002-T	EQX2 17002÷25002-T	EQX2 33004÷60004-T	EQX2 100010-T
INPUT	Maximum DC input voltage (Vdc)	1100				
	Working-out rank (Vdc)	160 ÷ 1000			180 ÷ 1000	200 ÷ 950
	Inputs per MPPT	1/1	1/2	2/2	2	
	Max. short-circuit current per MPPT	20/20 A	20/40 A	40/40 A	4*40 A	10*40 A
	Starting voltage (Vdc)	180				200
	Nr. MPP trackers	2			4	10
	Input maximum current per tracker (A)	15/15	15/30 ⁽¹⁾	30/30 ⁽¹⁾	4*26 ⁽¹⁾	10*26 ⁽¹⁾
OUTPUT	Power factor	0.8 inductive... 0.8 capacitive				
	Network voltage	3x400 V Three-phase (3L, N, PE) ⁽²⁾				
	Voltage ranges	195.5 ÷ 253 V (Ph-N) according to UNE 217002				
	Total harmonic distortion (THDi)	<3%				
	Frequency	50 Hz (45,5 ÷ 55 Hz) / 60 Hz (55 ÷ 65 Hz)				
	Performance EU	97,9% ÷ 98,2%			98,3%	
	Maximum performance	98,1% ÷ 98,6%			98,8%	
	MPPT performance	99,9%				
INDICATIONS	Type	2 LED de estado, display OLED				
GENERAL	Cooling	Natural convection (no fans) ⁽³⁾				
	Acoustic noise at 1 metre	≤25 dB ⁽³⁾				

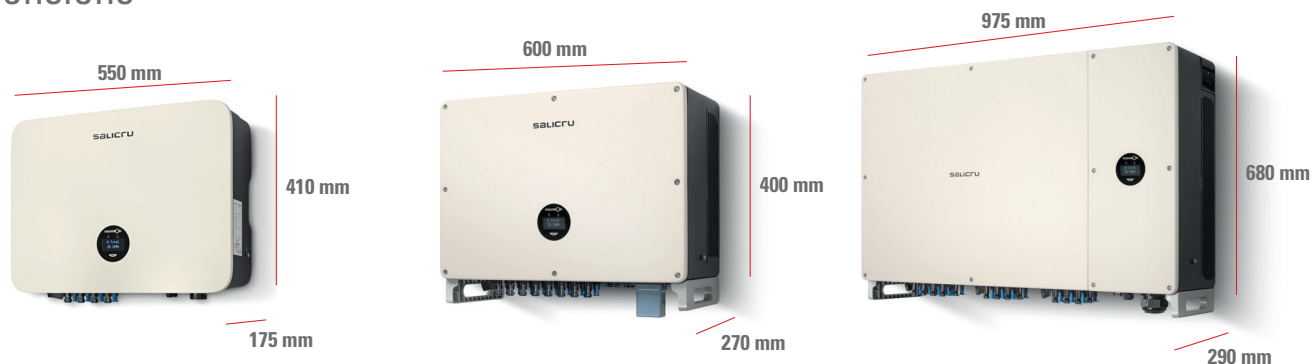
(1) For PV inverters with more than 1 string per MPPT, please enquire about potential current restrictions

(2) For three-phase voltages without a neutral (triangle), ask

(3) For models from EQX2 17002-T (inclusive) Smart fan cooling and ≤ 40 dB

Information subject to change without notice.

Dimensions

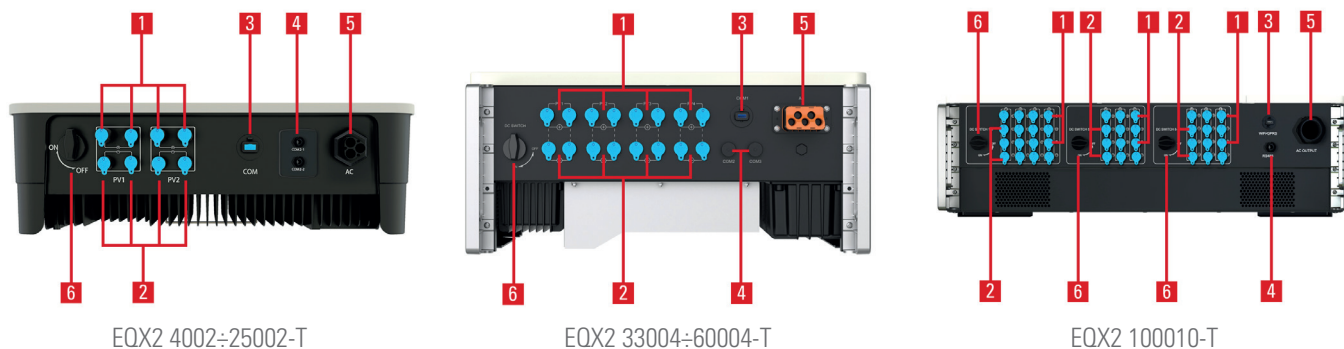


EQX2 4002÷25002-T

EQX2 33004÷60004-T

EQX2 100010-T

Connections



EQX2 4002÷25002-T

EQX2 33004÷60004-T

EQX2 100010-T

1. Positive photovoltaic input terminals.
2. Negative photovoltaic input terminals.
3. Main communication port (communication module connection).

4. Auxiliary communication port (optional).
5. AC / mains output terminal.
6. DC isolator switch.

Technical specifications EQUINOX2 HSX

MODEL		EQX2 3001-HSX	EQX2 4002÷8002-HSX
INPUT	Maximum DC input voltage (Vdc)	600	
	Working-out rank (Vdc)	100 ÷ 550	
	Inputs per MPPT	1/1	
	Max. short-circuit current per MPPT	20	20/20
	Starting voltage (Vdc)	80	
	Nr. MPP trackers	1	2
	Input maximum current per tracker (A)	15	15/15
OUTPUT	Power factor	0.8 inductive...0.8 capacitive	
	Network voltage	230 V Single-phase (L, N, PE) ⁽¹⁾	
	Voltage ranges	195,5 ÷ 253 V according to UNE 217002	
	Total harmonic distortion (THDi)	<3%	
	Frequency	50 Hz (45,5 ÷ 55 Hz) / 60 Hz (55 ÷ 65 Hz)	
	Performance EU	97,0%	
	Maximum performance	97,6%	
INDICATIONS	Type	3 LED states, LED bar for battery level, OLED display	
GENERAL	Cooling	Natural convection (no fans)	
	Acoustic noise at 1 metre	<25 dB	

(1) For 2 x 230 V two-phase voltages, ask

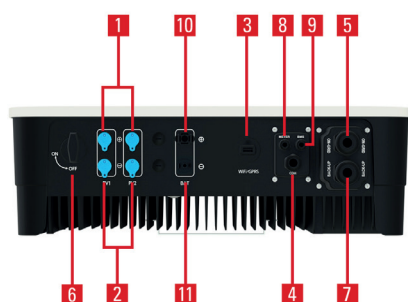
Information subject to change without notice

Dimensions



EQX2 3001÷8002-HSX

Connections



EQX2 3001÷8002-HSX

1. Positive photovoltaic input terminals.
2. Negative photovoltaic input terminals.
3. Main communication port (communication module connection).
4. Auxiliary communication port (optional).
5. AC / mains terminal.
6. DC switch.
7. Output connection for critical loads.
8. Connection port for current metering.
9. Communication port with batteries.
10. Positive battery connection terminal.
11. Negative battery connection terminal.

Technical specifications EQUINOX2 HT

MODEL		EQX2 4002/5002-HT	EQX2 6002-HT	EQX2 8002÷12002-HT
INPUT	Maximum DC input voltage (Vdc)	1000		
	Working-out rank (Vdc)	150 ÷ 850	200 ÷ 850	
	Inputs per MPPT	1/1		
	Max. short-circuit current per MPPT	18/18		
	Starting voltage (Vdc)	150	180	
	Nr. MPP trackers	2		
	Input maximum current per tracker (A)	13/13		
OUPUT	Power factor	0.8 inductive...0.8 capacitive		
	Network voltage	3x400 V Three-phase (3L, N, PE) ⁽¹⁾		
	Voltage ranges	195.5 ÷ 253 V (F-N) according to UNE 217002		
	Total harmonic distortion (THDi)	<3%		
	Frequency	50 Hz (45,5 ÷ 55 Hz) / 60 Hz (55 ÷ 65 Hz)		
	Performance EU	97,3%		97,40%
	Maximum performance	98,1%		98,2%
INDICATIONS	Type	3 LED states , LED bar for battery level, OLED display		
GENERAL	Cooling	Natural convection (no fans)		
	Acoustic noise at 1 metre	<25 dB		

(1) For three-phase configurations without neutral (delta), ask.

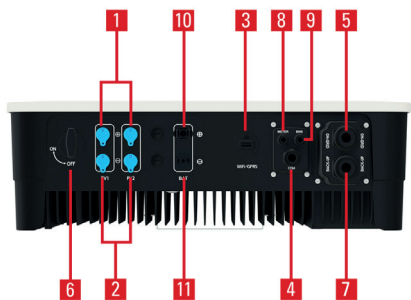
Information subject to change without notice

Dimensions



EQX2 4002÷12002-HT

Connections



EQX2 4002÷12002-HT

1. Positive photovoltaic input terminals.
2. Negative photovoltaic input terminals.
3. Main communication port (communication module connection).
4. Auxiliary communication port (optional).
5. AC / mains terminal.
6. DC switch.
7. Output connection for critical loads.
8. Connection port for current metering.
9. Communication port with batteries.
10. Positive battery connection terminal.
11. Negative battery connection terminal.

Range

MODEL	CODE	DESCRIPTION	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
EQX2 BATT BASE	6B20P000015	Base with adjustable feet for installing up to a maximum of 9 batteries + 1 BMS	315 × 708 × 110	10
EQX2 BATT BMS	6B2AC000001	Monitoring module for EQX2 BATT batteries. Includes an internal 2.56 kWh lithium-ion battery	315 × 708 × 178	36.3
EQX2 BATT	6B2AC000002	2.56 kWh lithium-ion battery with modular configuration, scalable up to 9 units + 1 BMS	315 × 708 × 137	32.3

Batteries selection **EQUINOX2 BATT**

	BASE CODE	BMS CODE	BATTERY CODE	DIMENSIONS (F × AN × AL mm)	WEIGHT (kg)	RATED CAPACITY (kWh)	RATED VOLTAGE (V)
EQX2 Li-Ion BATT 5 kWh	6B20P000015	6B2AC000001	1 x 6B2AC000002	315 x 708 x 425	78.6	5.1	102.4
EQX2 Li-Ion BATT 7 kWh	6B20P000015	6B2AC000001	2 x 6B2AC000002	315 x 708 x 562	110.9	7.7	153.6
EQX2 Li-Ion BATT 10 kWh	6B20P000015	6B2AC000001	3 x 6B2AC000002	315 x 708 x 699	143.2	10.2	204.8
EQX2 Li-Ion BATT 12 kWh	6B20P000015	6B2AC000001	4 x 6B2AC000002	315 x 708 x 836	175.5	12.8	256.0
EQX2 Li-Ion BATT 15 kWh	6B20P000015	6B2AC000001	5 x 6B2AC000002	315 x 708 x 973	207.8	15.4	307.2
EQX2 Li-Ion BATT 18 kWh	6B20P000015	6B2AC000001	6 x 6B2AC000002	315 x 708 x 1110	240.1	17.9	358.4
EQX2 Li-Ion BATT 20 kWh	6B20P000015	6B2AC000001	7 x 6B2AC000002	315 x 708 x 1247	272.4	20.5	409.6
EQX2 Li-Ion BATT 23 kWh	6B20P000015	6B2AC000001	8 x 6B2AC000002	315 x 708 x 1384	304.7	23.0	460.8
EQX2 Li-Ion BATT 25 kWh	6B20P000015	6B2AC000001	9 x 6B2AC000002	315 x 708 x 1521	337.0	25.6	512.0

For three-phase inverters ≤ 5 kW, the minimum configuration is 1 x 6B20P000015 + 1 x 6B2AC000001 + 2 x 6B2AC000002 (153,6 V)

For three-phase inverters starting at 6 kW, the minimum configuration is 1 x 6B20P000015 + 1 x 6B2AC000001 + 3 x 6B2AC000002 (204,8 V)

Autonomy adaptability

The **EQUINOX2 HSX** and **EQUINOX2 HT** hybrid series are the perfect solution for self-consumption in combination with the scalable modular configuration of the **EQUINOX2 BATT** battery system. The system's modular nature ensures optimal adjustment to the user's energy backup requirements, while adapting fully to their capacity for investment.

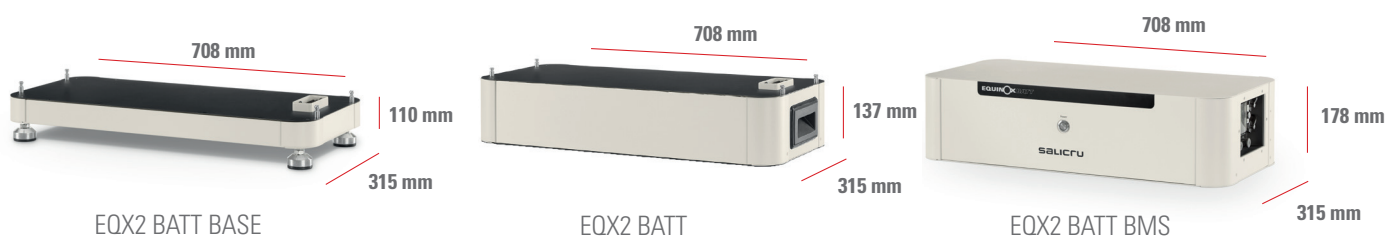


Technical specifications

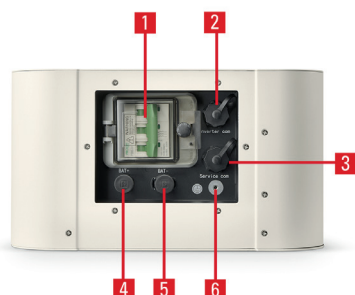
MODEL		EQX2 BATT BMS	EQX2 BATT
BATTERY	Rated voltage	51,2 V	
	Capacity	2,56 Kwh / 50 Ah	
	Maximum charge/discharge current	50 A	
	Recommended charge/discharge current	25 A	
	Discharge cycles	6,000 cycles @ 80% DOD	
COMMUNICATION	Ports	RJ45	
	Protocol	CAN	
INDICATIONS	Type	2 LED states	
GENERAL	Operating/charging temperature	0 ~ 45 °C	
	Operating/discharging temperature	-10 ~ 45 °C	
	Module connection	Quick connector with positioners	
	Installation method	Stackable	
	Relative humidity	5 ~ 95% (non-condensing)	
	Maxium operating altitude	2,000 masl	
STANDARDS	Safety / EMC	IEC UNE 62619 / UN 38.3	
	Quality and environmental management	ISO 9001, ISO 14001, ISO 45001	

Information subject to change without notice.

Dimensions



Connections



EQX2 BATT BMS

1. Output DC switch.
2. Main communication port (inverter connection).
3. Service port.
4. Positive batteries terminal.
5. Negative batteries terminal.
6. Earth connection.

salicru

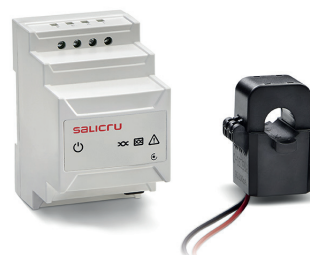


Optional and accessory devices

Communication modules

The 485/... EQX2 communication modules can be mounted in two ways:

- On the inverter: For three-phase and single-phase non-hybrid models, the **485/WIFI DIURNAL EQX2** antenna obtains data on generation, consumption and exportation while photovoltaic generation is taking place. For hybrid models, complete round-the-clock data is provided. Its IP65 protection rating allows for outdoor use.
- On a DIN rail on the AC board: The **485/WIFI EQX2** or **485/WIFI EQX2-T** in conjunction with an ESM energy meter (single-phase or three-phase, depending on the installation), makes it possible to obtain round-the-clock data on generation, exportation and consumption.



Energy meters

The **ESM... EQX** smart meters are network analysers that enable energy flow to be measured bidirectionally. Designed for non-hybrid systems, they must be installed along with the DIN-rail communication module if you wish to obtain round-the-clock data via the **EQUINOX** app on the energy generated, consumed/exported to the mains, and consumed by the loads.

For installations with a single three-phase solar inverter, zero-export operation is permitted, as certified by the UNE217001 standard.



MODEL	CODE	DESCRIPTION	DIMENSIONS (F x AN x AL mm)	TRANSFORMER DIMENSIONS (F x AN x AL mm)
485/WIFI DIURNAL EQX2	6B20P000020	Wi-Fi communication module. Installed directly in the inverter and provides data on generation while solar power generation is taking place.	30 x 51 x 155	-
LAN MODULE EQX2	6B20P000022	LAN communication module. Direct installation in the inverter. Provision of generation data via cable.	30 x 51 x 116	-
90D24 EQX2	-	Single-phase 90 A transformer, internal diameter 24 mm, cabling (1.5 m)* plus connector, for measuring current.	-	43 x 43 x 52
485/WIFI EQX2	6B20P000014	Wi-Fi communication module. DIN-rail mounting on the AC board. 230 VAC single-phase supply. Provides round-the-clock data on generation, mains exportation/consumption and the installation's own consumption. An ESM1 EQX smart meter is required.	65 x 30 x 105	-
485/WIFI EQX2-T	6B20P000018	Wi-Fi communication module. DIN-rail mounting on the AC board. 230 VAC single-phase supply. Provides round-the-clock data on generation, mains exportation/consumption and the installation's own consumption. A smart meter is required, in accordance with the installation's current.	65 x 30 x 105	-
ESM1 EQX	6B20P000008	Single-phase smart meter (energy meter). Maximum 40 A and 10 mm ² cross-sectional cable area. Direct measurement without a transformer.	76 x 18 x 91	-
ESM1 90D24 EQX2	6B20P000019	Single-phase smart meter (energy meter). Includes 1 single-phase 90 A transformer, internal diameter 24 mm, cabling (2 m)* plus connector, for measuring current.	73 x 52 x 84	43 x 43 x 52
ESM3T 90D24 EQX2	6B20P000017	Three-phase smart meter (energy meter). Includes 3 x 90 A current transformers, internal diameter 24 mm, cabling (2 m)* plus connector, for measuring current.	73 x 52 x 84	43 x 43 x 52
ESM3T 300D50 EQX2	6B20P000016	Three-phase smart meter (energy meter). Includes 3 x 300 A current transformers, internal diameter 50 mm, cabling (2 m)* plus connector, for measuring current.	73 x 52 x 84	60 x 78 x 115

(*): The transformers can operate at distances of up to 60 metres, using an extension connected to the built-in cable.

MODEL	EQUINOX2 S/SX		EQUINOX2 T		EQUINOX2 HSX	EQUINOX2 HT
	G/C/V PV ⁽¹⁾	24 H	GEN. PV ⁽²⁾	24 H	24 H	24H
485/WIFI DIURNAL EQX	✓	-	✓	-	✓	✓
LAN MODULE EQX2	OP	-	OP	-	OP	OP
90D24 EQX2	✓	-	-	-	-	-
485/WIFI EQX2	-	OP	-	-	-	-
485/WIFI EQX2-T	-	-	-	OP	-	-
ESM1 EQX	-	OP	-	-	-	-
ESM1 90D24 EQX2	-	-	-	-	✓	-
ESM3T 90D24 EQX2	-	-	-	OP	-	✓
ESM3T 300D50 EQX2	-	-	-	OP	-	OP

(OP): Optional / (✓): included / (-): non-usable

(1): Data on generation, consumption and mains exportation only while photovoltaic generation is taking place.

(2): Data on photovoltaic generation only.

SLC ENERGY MANAGER

Smart energy meter

SLC ENERGY MANAGER: Efficient energy management

Every solar facility requires responsible and efficient management of the energy that it generates: not only in order to help the environment, but also to enable a rapid return on investment.

Optimising energy use involves bringing the consumption and generation curves closer together, whether by storing electricity or heat, or by bringing the demand curve closer to the generation curve by activating loads during the times when maximum generation is taking place.

From a purely economic point of view there are also other options, such as injecting power into the mains, or setting the system to prioritise the power supply or the chosen storage option. If the most economically advantageous option is always selected, this will have a direct impact on the return on investment.

In other cases, it is the regulatory environment that creates special management needs. Nowadays, zero-injection systems are fairly widespread. The **SLC ENERGY MANAGER** enables optimum management of the process of blocking the injection of surplus energy. The functions of measurement, regulation, decision-making, communication and monitoring analytical data are combined in a single device.

Likewise, for larger facilities requiring management of various inverters connected in parallel, a single device will be able to manage all of the connected equipment via our app or website.

The **SLC ENERGY MANAGER** is able to manage Salicru **EQUINOX2** devices as well as those made by other approved manufacturers.



Performances

- Measurement capacity and Wi-Fi connectivity integrated in a single device.
- Access to the EQUINOX app and web portal.
- Zero-injection management of surplus energy.
- Savings achieved through smart management of generation devices and loads.
- High degree of compatibility with existing systems.
- Complete solution option with current transformers included.
- DIN-rail mounting.



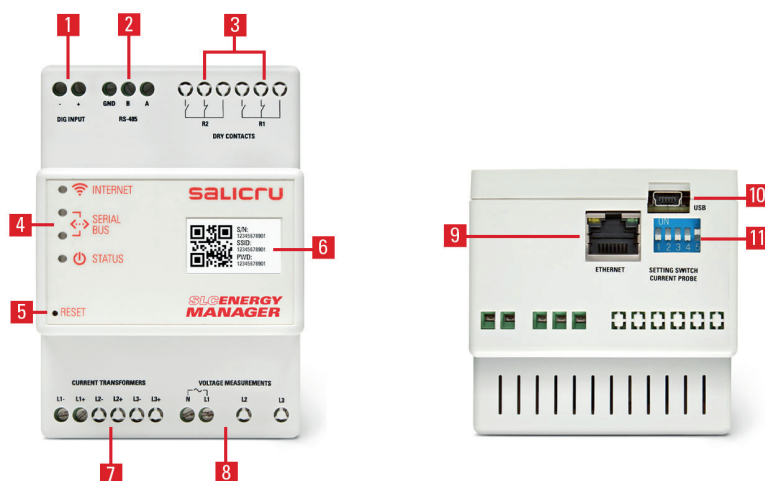
Technical specifications

MODEL		SLC ENERGY MANAGER Lite Single-phase	SLC ENERGY MANAGER Single-phase	SLC ENERGY MANAGER Three- phase	
INPUT	Rated voltage	110 - 240 Vac			
	Voltage range	± 10%			
	Rated frequency	50/60 Hz			
	Rated current	0,05 A			
VOLTAGE MEASUREMENT	Voltage range	110 - 265 Vac		3 × (190 - 458 Vac) + N	
	Frequency range	50/60 Hz			
	Accuracy	1%			
CURRENT MEASUREMENT	Output current	100 mA o 5 A			
	Overcurrent	120% In			
	Accuracy	1%			
COMMUNICATION	Interface	Embedded URL			
	Protocol	Modbus			
RELAYS	Amount	-	2		
	Rated voltage	-	250 Vac		
	Rated current	-	6 A		
INPUT SIGNALS	Digital	-	5 Vdc		
GENERAL	Operating temperature	0 - 50 °C			
	Relative humidity	95% (without condensation)			
	Maxium operating altitude	3,000 masl			
	Degree of protection	IP20			
STANDARDS	Safety	UNE EN IEC 61010-1:2011/A1:2020, 61010-2-030			
	Electromagnetic compatibility (EMC)	UNE EN IEC 61326-1			
	Zero-injection	UNE 217001:2020			
	Corporate certification	ISO 9001, ISO 14001, ISO 45001			
DIMENSIONS	Depth × Width × Height (mm)	70.5 × 70 × 101			

(1): Compatible with CT with the following primary currents: 80/200/300/400/600/1000/2000 A
 (2): Compatible with CT with the following primary currents: 100/300/400/600/1000/1500/2000 A

Datos sujetos a variación sin previo aviso.

Connections



1. Digital signal input.
2. RS-485 output.
3. Relay outputs.
4. LED status indicators.
5. Hidden reset button.
6. Device configuration code.
7. Terminals for current transformers.
8. Device supply and voltage measurement.
9. Ethernet port.
10. USB port.
11. DIP switch for configuration.

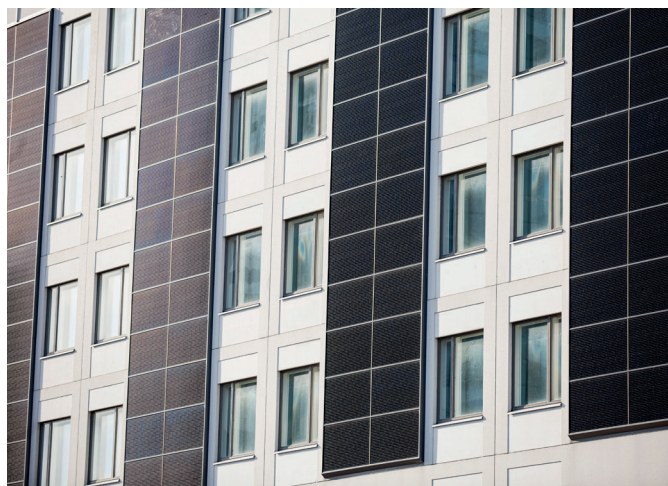
Applications

Salicru's **EQUINOX2** series has been designed as a solution for a wide range of domestic and industrial grid-connected (and off-grid in the case of the hybrid versions) self-consumption installations of a certain size, thanks to the possibility of working with several units in parallel.

This type of installation allows companies and individuals to produce their own electricity, increasing their self-sufficiency and reducing their electricity bill proportionally.

The new hybrid models and the **EQUINOX2 BATT** modular battery bank offer yet more versatility to our customers.

The quality of our devices makes them a safe bet for any installation.



Technical Service & Support

The day-to-day running of your business must not be allowed to be interrupted by an incident in your inverter. Salicru puts at your disposal its Technical Service & Support (TSS) department, with its extensive network of qualified technicians who can provide assistance in case of any eventuality or incident with your device, regardless of location, day or time.

Our goal is your peace of mind and satisfaction, providing you with the reassurance that Salicru will resolve any issues that may arise. A business's productivity and management must never be affected by a failure.



5 good reasons to sign up to the service

- More than 55 years of experience as a prestigious manufacturer, offering the highest quality of service.
- First-class, fast and efficient technical support capable of carrying out any technical intervention on your device, wherever it is.
- A wide range of maintenance and remote maintenance contracts designed to meet the technical requirements of your systems according to your needs.
- Ongoing training that will help you to optimise the operation of your systems, recognise situations of potential risk and overcome any setbacks that may arise.
- Checking and monitoring your facility in order to ensure the best results and prolong the life of your devices.

Warranty extensions

The solar-power inverters in the **EQUINOX2** series come with a 10-year warranty as standard for on-grid devices and a 5-year warranty for hybrid devices. In addition to this warranty, Salicru's customers can opt to extend their warranty by an additional 5, 10 or 15 years, providing a maximum warranty period of 20 years.

By extending the solar inverter's warranty period, you will benefit from the following:

- Worry-free operation during the contracted period.
- Complete coverage from the manufacturer.
- Fast and responsive service.
- On-site device replacement.
- The most competitively priced solution.

Services

- Pre-sales support.
- Device renewal studies (revamping).
- Telephone technical support.
- Training courses.

SALICRU

Avda. de la Serra 100

08460 Palautordera

BARCELONA

Tel. +34 93 848 24 00

salicru@salicru.com

SALICRU.COM

DELEGATIONS AND TECHNICAL SUPPORT & SERVICE (TSS)

ALICANTE	MADRID	VALENCIA
BARCELONA	MÁLAGA	ZARAGOZA
BILBAO	PALMA DE MALLORCA	
GIJÓN	SAN SEBASTIÁN	
LA CORUÑA	SANTA CRUZ DE TENERIFE	
LAS PALMAS DE G. CANARIA	SEVILLA	

SUBSIDIARIES

CHINA	HUNGARY	MEXICO	PERU	UNITED KINGDOM
FRANCE	MOROCCO	MIDDLE EAST	PORTUGAL	

REST OF WORLD

ALGERIA	CUBA	GUATEMALA	MAURITANIA	SINGAPORE
ANDORRA	CYPRUS	INDONESIA	NETHERLANDS	SWEDEN
ARGENTINA	CZECH REPUBLIC	IRAN	NICARAGUA	SWITZERLAND
AUSTRIA	DENMARK	IRELAND	NIGERIA	SYRIA
BAHRAIN	DOMINICAN REPUBLIC	ITALY	NORWAY	TUNISIA
BANGLADESH	ECUADOR	IVORY COAST	PAKISTAN	TURKEY
BELARUS	EGYPT	JORDAN	PANAMA	UKRAINE
BELGIUM	EL SALVADOR	KUWAIT	PHILIPPINES	UNITED ARAB EMIRATES
BOLIVIA	EQUATORIAL GUINEA	LATVIA	POLAND	UNITED STATES
BRAZIL	ESTONIA	LIBYA	ROMANIA	URUGUAY
BULGARIA	FINLAND	LITHUANIA	RUSSIA	VENEZUELA
CHILE	GERMANY	MALAYSIA	SAUDI ARABIA	VIETNAM
COLOMBIA	GREECE	MALTA	SENEGAL	

PRODUCT RANGE

Uninterruptible Power Supply Systems (UPS)

Solar inverters

Variable Frequency Drives

DC Systems

Transformers and Autotransformers

Voltage Stabilisers

Electric Active Protectors

Batteries



SALICRU
SMART
SOLUTIONS