EQUINOX2

INTEGRATED ENERGY SOLUTIONS

salicru

EQUINOX2

Integrated Energy Solutions

Top-quality renewable energy generation

SALICRU's **EQUINOX2** series brings to the market a wide range of solar inverters with first-class performance and quality, offering efficient and sustainable energy solutions for homes and businesses.

The **EQUINOX2** family is available in 5 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 with revamping option.
- **EQUINOX2 HSX** a single-phase hybrid inverter offering a range of 3 to 8 kW it is compatible with high-voltage batteries. This product is recommended for use with our residential and industrial batteries, as well as batteries from other brands.
- **EQUINOX2 HT** the three-phase version of the hybrid inverter. Available from 4 to 12 kW, also compatible with our residential and industrial batteries.
- **EQUINOX2 HT+** three-phase hybrid inverter with a higher power range from 15 to 50 kW, compatible with our residential and industrial batteries and those of other brands.

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 and elegant design, advanced connectivity and a nationwide Technical Service.

When these market-leading products are combined with the **SLC ENERGY MANAGER**, our customers benefit from several additional features that help them get even more out of their photovoltaic system. Installers will enjoy the quick and straightforward setup, thanks to easy connections and the auto-configuration of current transformers. Meanwhile, end users will benefit from increased energy production through dynamic feed-in control, as well as the ability to maximise efficiency via programmable contacts.

In regard to the interface, the star of the show is the **EQUINOX APP** and its web version, both fully developed by SALICRU and with all data hosted on European servers, allowing users to configure and access detailed information on the performance of their installation and even configure energy communities, all within the same application.

Equinox2 range

EQUINOX APP AND WEB PORTAL

Comprehensive 24-hour monitoring

EQUINOX2 offers the ability to monitor all operating parameters 24 hours a day (see optional features) through our **EQUINOX App**, available for iOS and Android, as well as through the Web Portal, both developed by our Connected Software Department.

A single user can view and manage multiple inverters or plants, while one plant can be monitored by several users. The application has been specifically designed with professional installers in mind, providing an easy, intuitive, and secure experience. This allows them to maintain control over authorised installations, access key information promptly, and offer more efficient and responsive maintenance and support services.

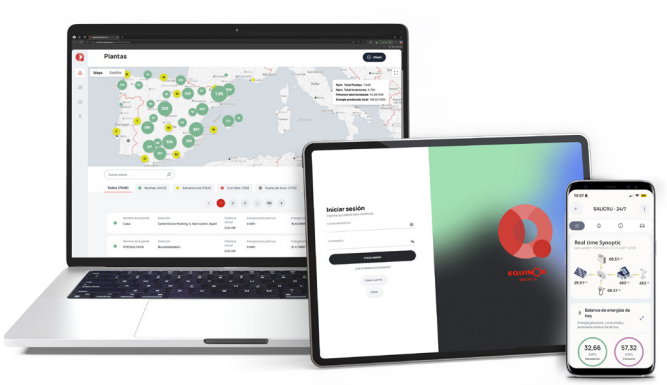
The monitoring kit supplied free of charge with our on-grid **EQUINOX2 S/SX** units enables users to check generation, consumption, and grid export data (in cases of compensation or surplus sale) during photovoltaic production hours, when the panels are supplying voltage. The system also offers the option of zero injection, thereby preventing surplus energy from being exported to the grid.

With regard to the **EQUINOX2 T** inverter, the data obtained with the standard kit is limited to generation. However, it can be expanded to provide full 24-hour monitoring through the use of the **SLC Energy Manager**.

Meanwhile, **EQUINOX2** hybrid units include 24-hour monitoring as standard, with records of generation, consumption, and export, as well as zero-injection functionality, without the need for additional devices.

Furthermore, for advanced projects or customised integrations, **EQUINOX2** can be connected to SCADA systems, either proprietary or via API, offering flexible integration with external platforms. The system's versatility is further enhanced by its compatibility with inverters from other brands, enabling centralised supervision of multiple devices within a single installation.

Overall, **EQUINOX2** and its advanced monitoring ecosystem provide a comprehensive solution for the efficient management of solar energy. Combining accessibility, security, and precision, it offers both users and installers a powerful and versatile tool for optimising the performance and efficiency of their photovoltaic systems.



EQUINOX APP UI

EQUINOX

https://equinox.salicru.com

Performances

- Real-time data consultation
- Historical data groups (by day, month, or year)
- Information on economic savings achieved
- Total CO_2 reduction achieved and its equivalent in trees planted
- Self-consumption quota (which gives us an idea of how well our solar installation is being used)
- Autarky quota (which indicates how independent our installation is from the grid)
- Installation management/visualization
- Simultaneous management of multiple installations (especially for installers)
- Integrations available via API and SCADA
- Compatibility with other brands of inverters

Facilitates maintenance and technical support

Installers and technical service personnel can access information in real-time, allowing them to efficiently diagnose and resolve incidents without unnecessary travel. This translates to significant time and cost savings for users.

Customisation options and regular updates

The **EQUINOX APP** and **web portal** allow users not only to monitor their system but also to configure the operating parameters according to their needs. Additionally, thanks to remote connectivity, the software automatically updates with the latest improvements and features without requiring manual intervention.

Total accessibility from any device

With the **EQUINOX APP** and **web portal**, users can access the status of their installation at any time, using a mobile phone, tablet, or computer. This enables continuous monitoring and ensures a swift response to any incidents.

Monthly reports on plant performance

This option allows you to generate automatic summaries of plant performance, facilitating efficiency analysis, incident detection, and energy saving monitoring over time.

Safety and control of discharge to the grid

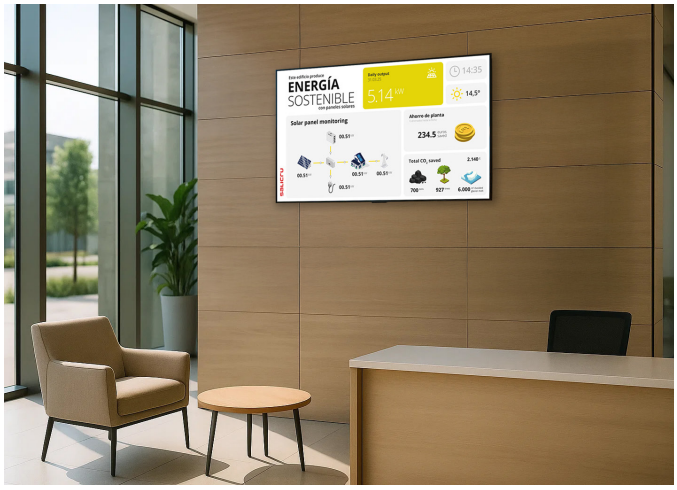
The ability to configure zero feed-in ensures that excess energy is not fed into the grid, complying with current regulations and allowing users to maximise their self-consumption without risk. Furthermore, with the addition of the **SLC Energy Manager**, the management possibilities expand even further, allowing for a more precise control of energy consumption, storage and distribution and further optimising the performance of the installation.

Early detection of incidents

The platform can detect any anomaly in the system's performance, alerting the user or the authorised installer to implement corrective measures before the problem affects the energy supply.

Shared monitoring for viewing on any display

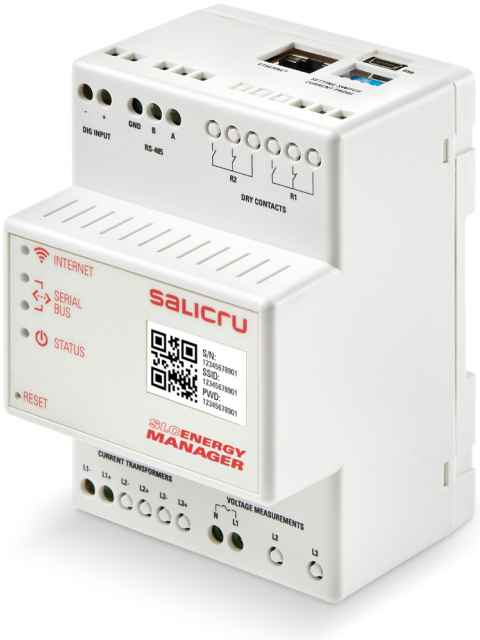
The **EQUINOX APP** and **web portal** also include the option to share a public display page. This feature allows third parties to consult the status of the plant from any device with a web browser, which is ideal for businesses and companies looking to showcase their energy generation, sustainability measures, and consumption data to the public.



Nombre	Estado	Info
String 1	OK	
String 2	OK	
Conexión AC (Fase R)	OK	
Bateria	OK	
INV MODE	Normal, generando	

SLC ENERGY MANAGER

Smart energy meter



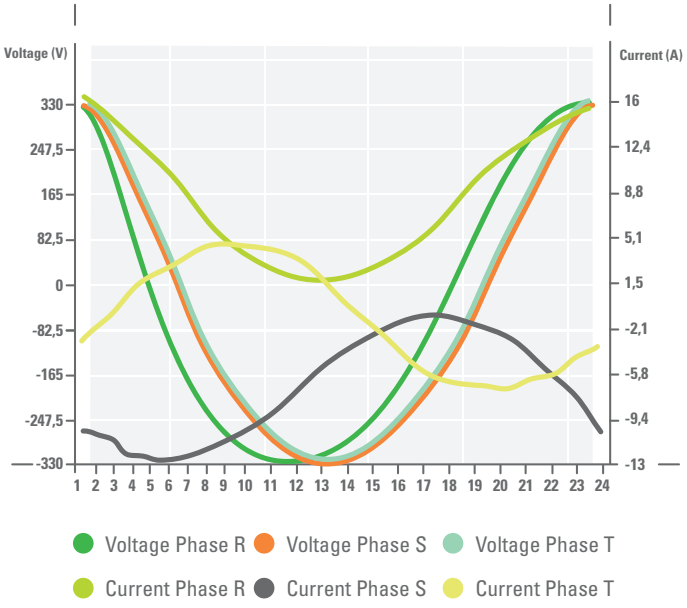
SLC ENERGY MANAGER: Efficient energy management

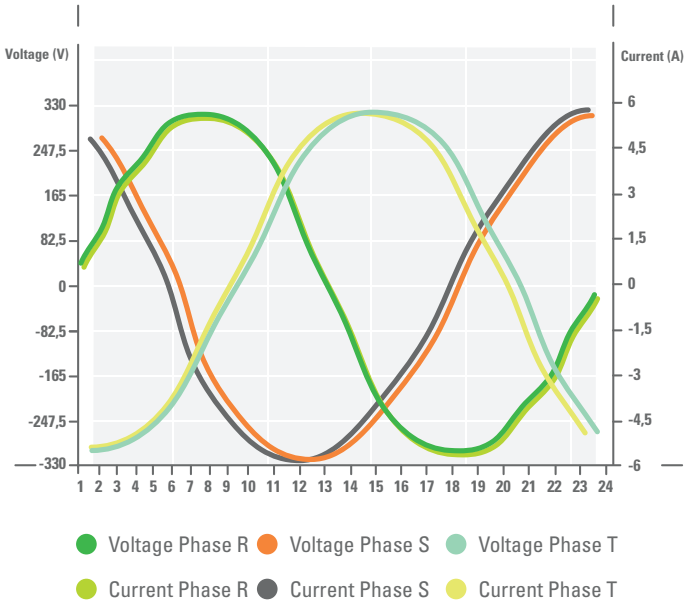
The **SLC ENERGY MANAGER** stands out for its straightforward installation process and user-friendly method of configuring the system's basic parameters via cable or WiFi, ensuring no unnecessary time is wasted during the system startup. Additionally, the Energy Manager includes a range of advanced features that optimise performance and efficiency in solar photovoltaic installations, making it an invaluable ally for your solar projects.

One of the most recently integrated functions simplifies the installation process to avert potential complications when aligning the phase supply with the toroidal in three-phase equipment while verifying the orientation of the clamp meter in single-phase installations. It is the only device on the market that offers **automatic current transformer configuration**, enabling faster connections without metering errors.

Performances

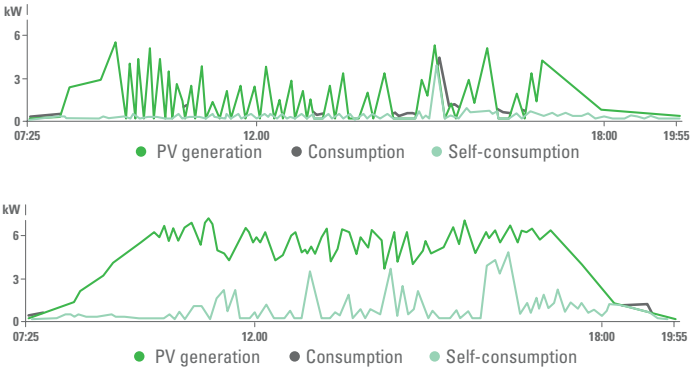
- Autoconfiguration of current transformers.
- Dynamic injection control.
- Programmable dry contact.
- Measurement capacity and Wi-Fi connectivity integrated in a single device.
- Access to the **EQUINOX APP** and web portal.
- Zero-injection management of surplus energy.
- Savings achieved through smart management of generation devices and loads.
- High degree of compatibility with existing systems.
- Complete solution option with current transformers included.





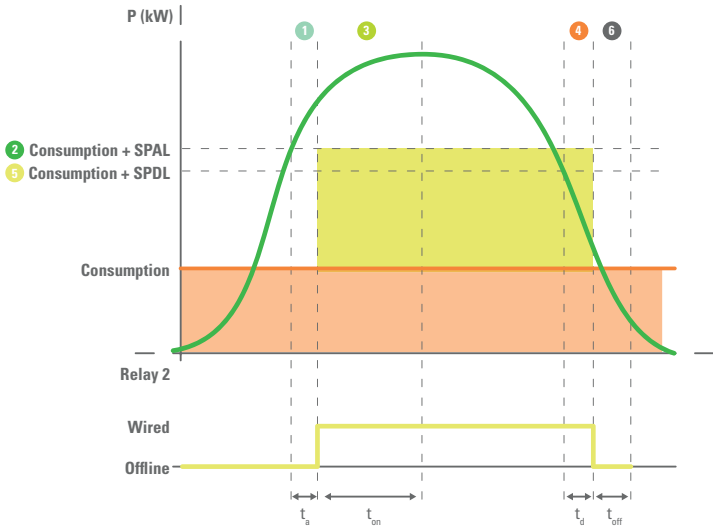
Dynamic feed-in control

Say goodbye to issues with inverter line surges caused by inadequate grid installations. Our device features dynamic feed-in control, which continuously regulates the energy fed into the grid, generating up to 80% more energy. This ensures safe and stable operation while preventing the system from exceeding safety thresholds. This is essential for working within the safe voltage range of the indoor installation and extending the lifetime of the electronic devices.



Programmable dry contact

An integrated programmable dry contact allows surplus energy to be redirected to systems such as air-source heat pumps or resistive loads. This not only maximises the utilisation of the energy generated but also enhances the overall efficiency of the installation.



Energy community

An energy community can be created by installing and integrating different **SLC Energy Manager** devices in the homes or at the consumption points that form the community. Each user can view their energy consumption alongside their proportional share of the community's energy generation as if it were an individual photovoltaic system.

You can also configure up to ten weather probes to collect precise data on solar radiation, ambient temperature, and cell temperature. This allows for more accurate control of the plant and improved management of the generated energy.

Up to 30 devices in parallel

The system can handle up to 30 devices simultaneously for grid inverters and up to 4 devices for hybrid inverters, including zero feed-in capability. This feature is crucial for complying with specific regulations and ensuring that no excess power is released into the grid.

For more advanced users, it supports the connection of any transformer with a secondary current of 5 A, offers full configuration options for grid-related issues, and enables interaction with the device via API for integration into existing proprietary systems.

European servers

All data is stored on European servers, and the device is compatible with inverter equipment from other brands.

Additionally, it can be fully upgraded remotely, allowing you to continuously receive updates and enjoy new features without needing to replace the equipment.

Together, these features make the **SLC ENERGY MANAGER** an intelligent and efficient solution for advanced solar energy management, optimising both the performance and profitability of installations.

SLC ENERGY MANAGER Range

MODEL	CODE	EAN CODE	DESCRIPTION
SLC ENERGY MANAGER 80D16	6B20R000001	8436584874829	Single-phase Energy Manager with 80 A(1) transformer and with relay output
SLC ENERGY MANAGER ../5	6B20Q000035	8436584874799	Single-phase Energy Manager without transformer and with relay output
SLC ENERGY MANAGER T 80D16	6B20R000003	8436584874843	Three-phase Energy Manager with 80 A(1) transformer and with relay output
SLC ENERGY MANAGER T 300D50	6B20R000004	8436584874850	Three-phase Energy Manager with 300 A(2) transformer and with relay output
SLC ENERGY MANAGER T ../5	6B20Q000036	8436584874805	Three-phase Energy Manager without transformer and with relay output

(1) Current measuring transformer 80 A/100 mA clamp type for cables with a maximum diameter of 16 mm. included (x1 for single-phase / x3 for three-phase).
(2) Current measuring transformer 300 A/100 mA clamp type for cables with a maximum diameter of 50 mm. included (x1 for single-phase / x3 for three-phase).
For codes 6B20Q000035 / 6B20Q000036 the current transformer is not included. Compatible with CT for the following primary currents: 100/300/400/600/1000/1500/2000 A.

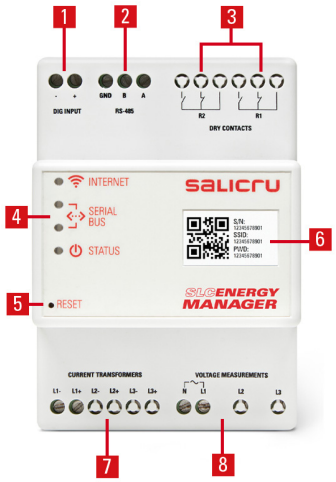
Technical specifications

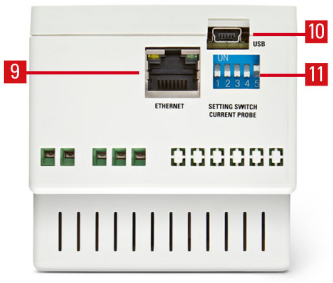
MODEL		SLC ENERGY MANAGER Single-phase	SLC ENERGY MANAGER Three-phase
INPUT	Rated voltage	110 - 240 Vac	
	Voltage range	± 10%	
	Rated frequency	50/60 Hz	
	Rated current	0,05 A	
VOLTAGE MEASUREMENT	Voltage range	110 - 265 Vac	3 × (190 - 458 Vac) + N
	Frequency range	50/60 Hz	
	Accuracy	1%	
CURRENT MEASUREMENT	Output current	100 mA(1) o 5 A(2)	
	Overcurrent	120% In	
	Accuracy	1%	
COMMUNICATION	Ports	RS-485 / Voltage sensor / CT sensor / LAN / Wifi	
	Interface	Embedded URL	
	Protocol	Modbus	
RELAYS	Amount	2(3)	
	Rated voltage	250 Vac	
	Rated current	6 A	
INPUT SIGNALS	Digital	5 Vdc	
GENERAL	Operating temperature	0 - 50 ºC	
	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 cerification	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
(3): One relay is for a zero injection contactor and the other is fully programmable.

Information subject to change without notice.

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.

EQUINOX2 INVERTERS

Solar energy optimization and control

EQUINOX2 INVERTERS: A comprehensive solution

EQUINOX2 inverters, as in previous SALICRU inverter ranges, constitute a comprehensive solution that incorporates everything you need to integrate the inverter into your setup, including basic production monitoring for grid equipment and basic consumption monitoring for hybrid equipment.

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/HT+** hybrid inverters inverters have a wide voltage range, allowing batteries to be connected in series, with a maximum capacity of 60 kWh for residential batteries or 360 kWh for industrial batteries.

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.

Prestaciones

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.

Option of 24-hour monitoring with European servers.

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.

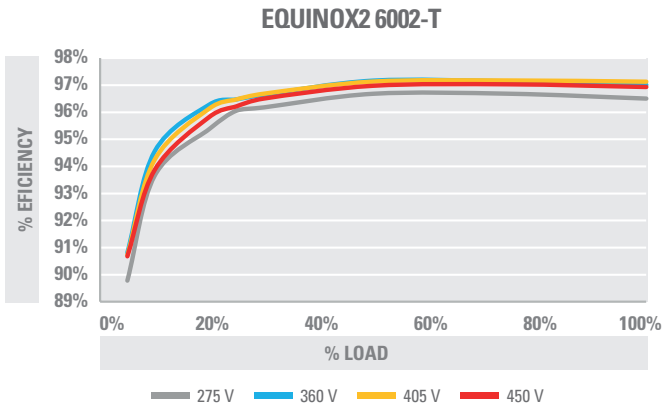
High conversion efficiency and input current adapted to high-performance panels.

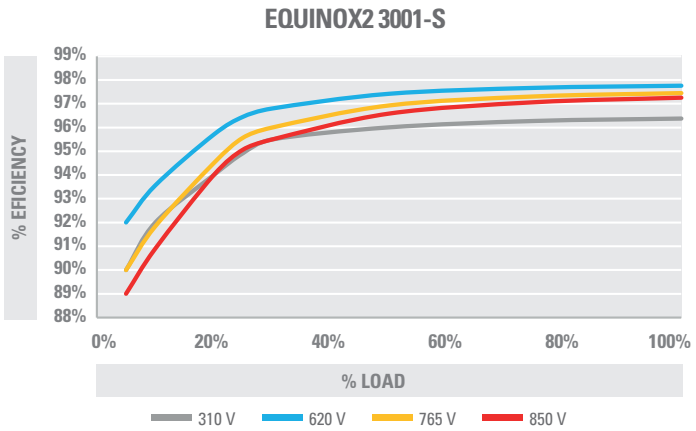
High-quality components

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.

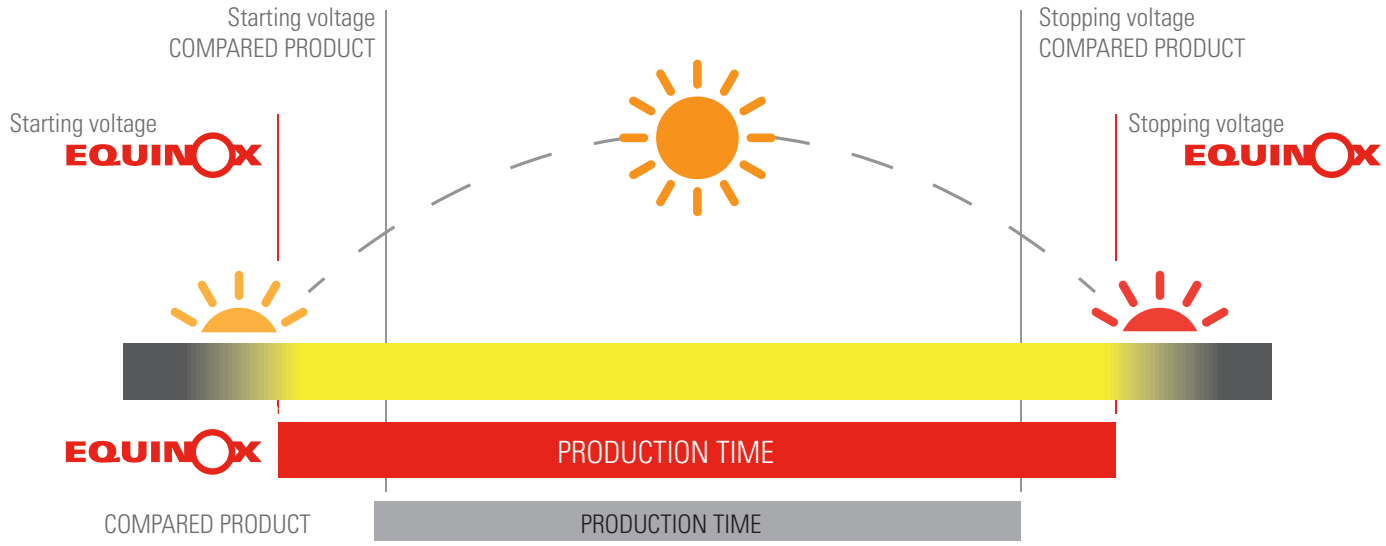
Interior or exterior installation

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.

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.



General technical specifications

		EQUINOX2 RANGE
PROTECTION	Input DC disconnector	Included
	Integrated in the device	Inverse polarity DC, Residual Current, DC disconnector, Over-voltage, Over-temperature, Differential, Islanding operation, AC short-circuit, Over-voltage AC
	Over-voltage protection category	PV: II / AC: II
GENERAL	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%
	Maxium 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
	Topology	On-grid / Hybrid (according to model)
COMMUNICATION	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
	Quality and environmental management	ISO 9001, ISO 14001, ISO 45001
WARRANTY	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

MODEL Single-phase On-Grid	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

MODEL Three-phase On-Grid	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
EQX2 33004-T-RV	6B2RO000015	33	1	270 x 600 x 400	43
EQX2 60004-T-RV	6B2RO000016	60	1	270 x 600 x 400	43
EQX2 100010-T- RV	6B2RO000014	100	1	290 × 975 × 680	83

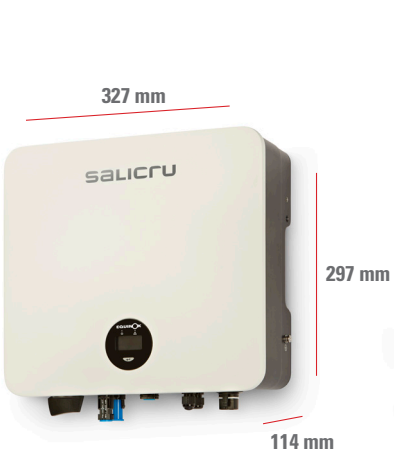
MODEL Single-phase hybrid	CODE	POWER (kW)	Nr. MPPTs	DIMENSIONS (D x W x H mm)	WEIGHT (Kg)
EQX2 3001-HSX	6B2AB000027	3	1	175 x 550 x 410	26
EQX2 4002-HSX	6B2AB000028	4,2	2	175 x 550 x 410	26
EQX2 5002-HSX	6B2AB000029	5	2	175 x 550 x 410	26
EQX2 6002-HSX	6B2AB000030	6	2	175 x 550 x 410	26
EQX2 8002-HSX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

MODEL Three-phase hybrid	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
EQX2 15002-HT+	6B2AE000012	15	2	210 × 534 × 418	31
EQX2 20002-HT+	6B2AE000013	20	2	210 × 534 × 418	31
EQX2 25004-HT+	6B2AE000014	25	4	300 × 800 × 620	72
EQX2 30004-HT+	6B2AE000015	30	4	300 × 800 × 620	72
EQX2 40004-HT+	6B2AE000016	40	4	300 × 800 × 620	72
EQX2 50004-HT+	6B2AE000017	50	4	300 × 800 × 620	72

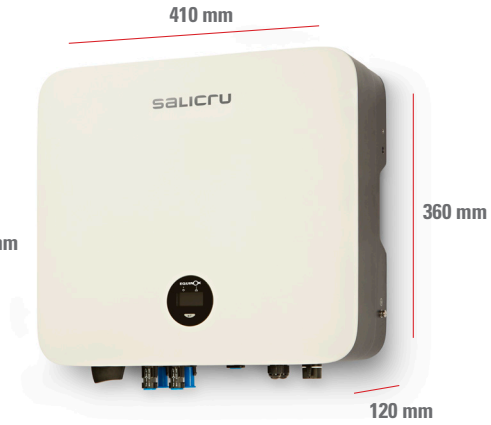
EQUINOX2 S/SX Range

MODEL	CODE	MAXIMUM DC INPUT POWER (kW)	RATED POWER (kW)	MAXIMUM APPARENT OUTPUT POWER (kVA)	OUTPUT CURRENT (A)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
EQX2 2001-S	6B2AB000001	2.6	2	2.2	8.7	114 × 327 × 297	6.5
EQX2 3001-S	6B2AB000002	3.9	3	3.3	13	114 × 327 × 297	6.5
EQX2 3002-S	6B2AB000003	3.9	3	3.3	13	120 × 410 × 360	13
EQX2 3002-SX	6B2AB000007	3.9	3	3.3	13	120 × 410 × 360	13
EQX2 4002-S	6B2AB000004	5.46	4.2	4.62	18.3	120 × 410 × 360	13
EQX2 4002-SX	6B2AB000008	5.46	4.2	4.62	18.3	120 × 410 × 360	13
EQX2 5002-SX	6B2AB000009	6.5	5	5.5	21.7	120 × 410 × 360	13
EQX2 6002-SX	6B2AB000010	7.8	6	6.6	26.1	120 × 410 × 360	13
EQX2 8002-SX	6B2AB000020	10.4	8	8.8	34.8	175 × 550 × 410	24
EQX2 10002-SX	6B2AB000021	13	10	11	43.5	175 × 550 × 410	26

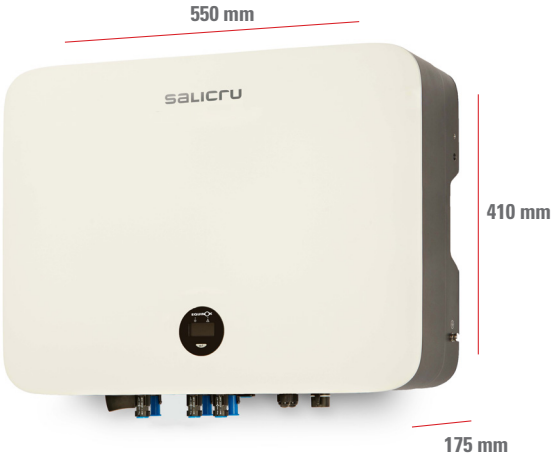
Dimensions



EQX2 2001/3001-S

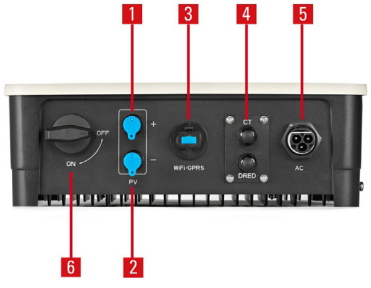


EQX2 3002÷6002-S/SX



EQX2 8002/10002-SX

Connections



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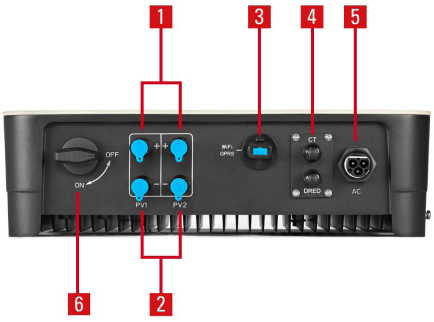
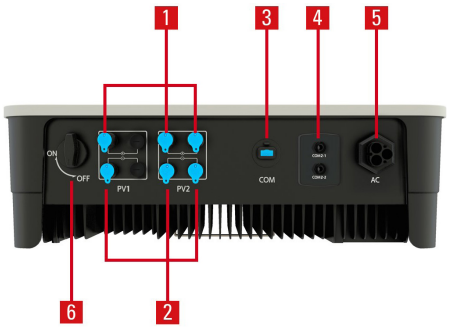


EQX2 3002÷6002-S/SX



EQX2 8002/10002-SX

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 disconnector.

Technical specifications

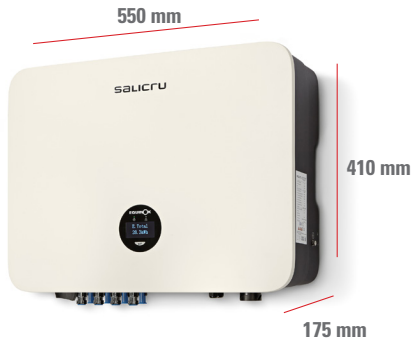
MODEL		EQX2 2001/3001-S	EQX2 3002/4002-S	EQX2 3002÷6002-SX	EQX2 8002/10002-SX
INPUT DC	Starting voltage (V)	60	120	80	
	Max. short-circuit current - Isc PV (A)	15	15/15	20/20	20/40
	Inputs per MPPT	1	1/1		1/2
	Inputs per MPPT	1	2		
	MPPT voltage range (VDC)	80 ÷ 450	100 ÷ 550		80 ÷ 550
	Input maximum current per tracker (A)	12.5	12,5/12,5	15/15	15/30(1)
	MPPT performance	99,9%			
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			
	Max. total harmonic distortion (THD)	<3%			
	Frequency	50 Hz (45,5 ÷ 55 Hz) / 60 Hz (55 ÷ 65 Hz)			
	Performance EU	97,0%	97,5%		97,6%
	Maximum performance	97,5%	98,1%		
COMMUNICATION	Ports	RS485, WiFi/LAN (optional)			
INDICATIONS	Type	2 LED states, OLED display			
PROTECTION	Input DC disconnector	Included			
	Integrated in the device	Inverse polarity DC, Residual Current, DC disconnector, Over-voltage, Over-temperature, Differential, Islanding operation, AC short-circuit, Over-voltage AC			
	Over-voltage protection category	PV: II / AC: II			
GENERAL	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%			
	Maxium operating altitude	3,000 masl (power degradation up to 4,000 m)			
	Degree of protection	IP65			
	Cooling	Natural convection (no fans)(3)			
	Acoustic noise at 1 metre	≤25 dB(3)			
	Terminal type	MC4			
	Installation	Indoor and outdoor installation / Wall support			
	Topology	Transformerless Non-isolated (On grid)			
STANDARDS	Safety / EMC	IEC 62109-1/2 / EN 61000-6-2/3(4)			
	Energy efficiency	IEC EN UNE 61683			
	Environmental tests	IEC EN UNE 60068-2-1/2/14/30			
	Operation / Protection	UNE EN 62116:2014, IEC 61727:2004, UNE 217002:2020, UNE 217001:2020			
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001			

(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
(4) Consult available regulations for other countries

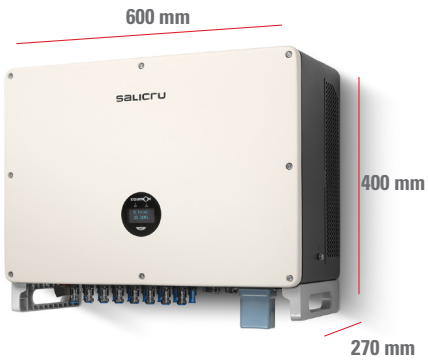
EQUINOX2 T Range

MODEL	CODE	MAXIMUM DC INPUT POWER (kW)	RATED POWER (kW)	MAXIMUM APPARENT OUTPUT POWER (kVA)	OUTPUT CURRENT (A)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
EQX2 4002-T	6B2AB000018	6.4	4	4.4	5.8	175 × 550 × 410	23
EQX2 5002-T	6B2AB000019	8	5	5.5	7.3	175 × 550 × 410	23
EQX2 6002-T	6B2AB000011	9.6	6	6.6	8.7	175 × 550 × 410	23
EQX2 8002-T	6B2AB000012	12.8	8	8.8	11.6	175 × 550 × 410	23
EQX2 10002-T	6B2AB000013	16	10	11	14.5	175 × 550 × 410	23
EQX2 12002-T	6B2AB000014	19.2	12	13.2	17.4	175 × 550 × 410	23
EQX2 15002-T	6B2AB000015	24	15	16.5	21.7	175 × 550 × 410	26
EQX2 17002-T	6B2AB000026	27.2	17	18.7	24.6	175 × 550 × 410	29
EQX2 20002-T	6B2AB000016	32	20	22	29	175 × 550 × 410	29
EQX2 25002-T	6B2AB000017	40	25	27.5	36.2	175 × 550 × 410	29
EQX2 33004-T	6B2AB000022	52.8	33	36.3	47.8	270 × 600 × 400	42
EQX2 40004-T	6B2AB000023	64	40	44	58	270 × 600 × 400	42
EQX2 50004-T	6B2AB000024	80	50	55	72.5	270 × 600 × 400	42
EQX2 60004-T	6B2AB000034	96	60	66	87	270 × 600 × 400	42
EQX2 100010-T	6B2AB000033	160	100	110	144.3	290 × 975 × 680	82

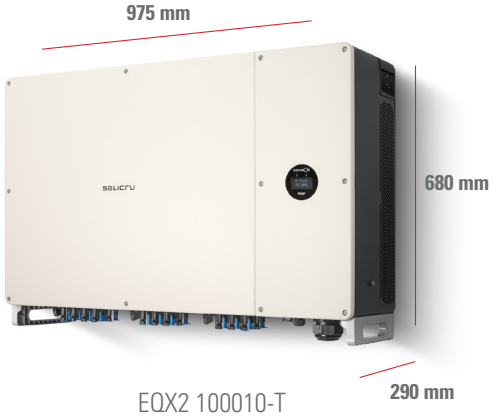
Dimensions



EQX2 4002÷25002-T

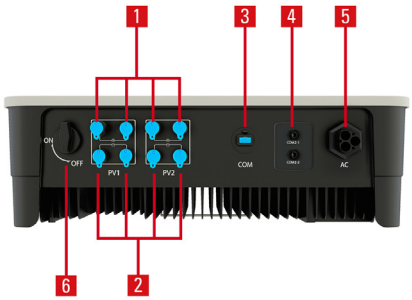


EQX2 33004÷60004-T

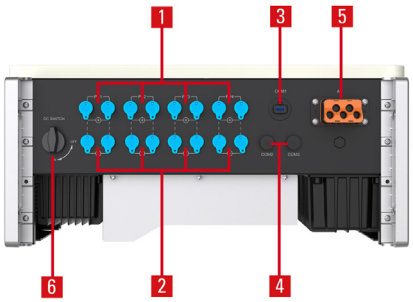


EQX2 100010-T

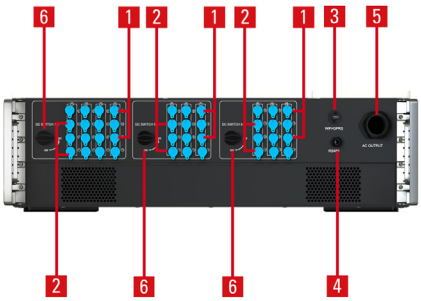
Connections



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

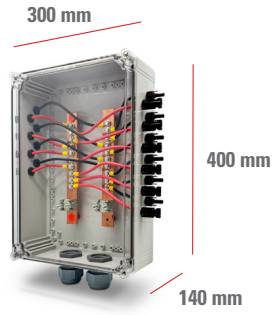
MODEL		EQX2 4002÷12002-T	EQX2 15002-T	EQX2 17002÷25002-T	EQX2 33004÷60004-T	EQX2 100010-T
INPUT DC	Starting voltage (V)	180				200
	Max. short-circuit current - Isc PV (A)	20/20 A	20/40 A	40/40 A	4*40 A	10*40 A
	Inputs per MPPT	1/1	1/2	2/2	2	
	Nº of MPPT	2			4	10
	MPPT voltage range (VDC)	160 ÷ 1000			180 ÷ 1000	200 ÷ 950
	Input maximum current per tracker (A)	15/15(1)	15/30(1)	30/30(1)	4*26(1)	10*26(1)
	MPPT performance	99,9%				
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				
	Max. total harmonic distortion (THD)	<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%	
COMMUNICATION	Ports	RS485, WiFi				
INDICATIONS	Type	2 LED states, OLED display				
PROTECTION	Input DC disconnector	Included				
	Integrated in the device	Inverse polarity DC, Residual Current, DC disconnector, Over-voltage, Over-temperature, Differential, Islanding operation, AC short-circuit, Over-voltage AC				
	Over-voltage protection category	PV: II / AC: II				
GENERAL	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%				
	Maxium operating altitude	3,000 masl (power degradation up to 4,000 m)				
	Degree of protection	IP65				
	Cooling	Natural convection (no fans)(3)				
	Acoustic noise at 1 metre	≤25 dB(3)				
	Terminal type	MC4				
	Installation	Indoor and outdoor installation / Wall support				
	Topology	Transformerless Non-isolated (On grid)				
STANDARDS	Safety / EMC	IEC 62109-1/2 / EN 61000-6-2/3				
	Energy efficiency	IEC EN UNE 61683				
	Environmental tests	IEC EN UNE 60068-2-1/2/14/30				
	Operation / Protection	UNE EN 62116:2014, IEC 61727:2004, UNE 217002:2020, UNE 217001:2020				
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001				

(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 ≤ 72 dB
(4) Consult available regulations for other countries

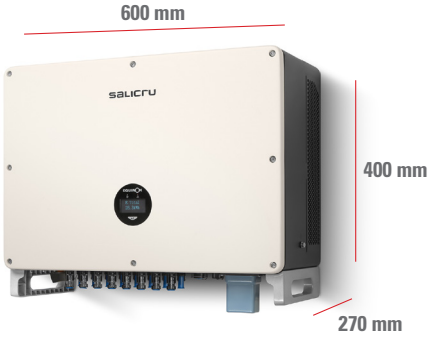
EQUINOX2 T-RV Range (revamping option)

MODEL	CODE	MAXIMUM DC INPUT POWER (kW)	RATED POWER (kW)	MAXIMUM APPARENT OUTPUT POWER (kVA)	OUTPUT CURRENT (A)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
KIT EQX2 33004-T-RV	6B2RO000015	52,8	33	36,6	47,8	270 x 600 x 400	43
KIT EQX2 60004-T-RV	6B2RO000016	96	60	66	87	270 x 600 x 400	43
KIT EQX2 100010-T-RV	6B2RO000014	160	100	110	144,3	290 x 975 x 680	83
EQX2 DISTRIBUTION BOX	6B2OQ000067	200	-	-	-	140 x 300 x 400	7
EQX2 EMBEDDED BOX	6B2OQ000076	200	-	-	-	230 x 990 x 330	15

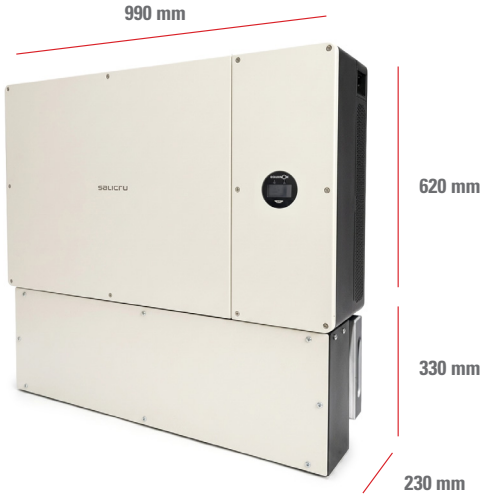
Dimensions



EQX2 DISTRIBUTION BOX
EQX2 33004÷60004-T-RV

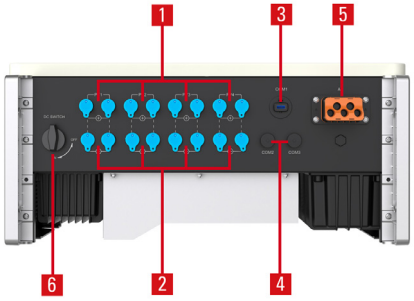


EQX2 33004÷60004-T-RV

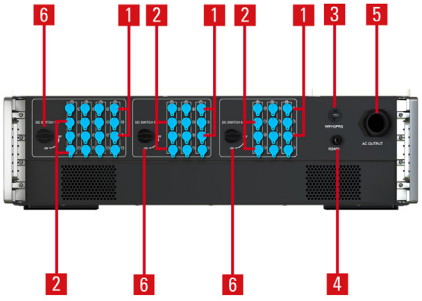


EQX2 EMBEDDED BOX
EQX2 100010-T-RV

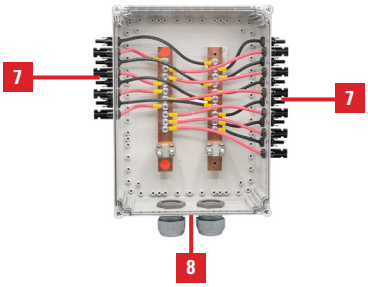
Connections



EQX2 33004÷60004- T-RV



EQX2 100010-T-RV



EQX2 DISTRIBUTION BOX

1. Positive terminals of the photovoltaic input.
2. Negative terminals of the photovoltaic input.
3. Main communication port (communication module connection).
4. Auxiliary communication port (optional).
5. AC/mains output terminal.
6. DC isolator.
7. Output to inverter.
8. Existing installation input.

Technical specifications

MODEL		EQX2 33004÷60004-T-RV	EQX2 100010-T-RV
INPUT DC	Starting voltage (V)	180	200
	Max. short-circuit current - Isc PV (A)	160	400
	EInputs per MPPT	4	10
	Nº of MPPT	1	
	MPPT voltage range (Vdc)	180 ÷ 1000	200 ÷ 950
	Maximum input voltage (Vdc)	1100	
	Input maximum current per tracker (A)	104	260
	MPPT performance	99,9%	
OUTPUT	Power factor	0.8 inductive…0.8 capacitive	
	Network voltage	3x400 V Three-phase (3L, N, PE)	
	Voltage ranges	195.5 ÷ 253 V (Ph-N) according to UNE 217002	
	Max. total harmonic distortion (THD)	<3%	
	Frequency	50 Hz (45,5 ÷ 55 Hz) / 60 Hz (55 ÷ 65 Hz)	
	Performance EU	98,3%	
	Maximum performance	98,8%	
COMMUNICATION	Ports	RS485, WiFi	
INDICATIONS	Type	2 LED states, OLED display	
PROTECTION	Input DC disconnector	Included	
	Integrated in the device	Inverse polarity DC, Residual Current, DC disconnector, Over-voltage, Over-temperature, Differential, Islanding operation, AC short-circuit, Over-voltage AC	
	Over-voltage protection category	PV: II / AC: II	
GENERAL	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%	
	Maxium operating altitude	3,000 masl (power degradation up to 4,000 m)	
	Degree of protection	IP65	
	Cooling	Natural convection and smart fan	
	Acoustic noise at 1 metre	≤72 dB	
	Terminal type	MC4	
	Installation	Indoor and outdoor installation / Wall support	
	Topology	Transformerless Non-isolated (On grid)	
STANDARDS	Safety / EMC	IEC 62109-1/2 / EN 61000-6-2/3	
	Energy efficiency	IEC EN UNE 61683	
	Environmental tests	IEC EN UNE 60068-2-1/2/14/30	
	Operation / Protection	UNE EN 62116:2014, IEC 61727:2004, UNE 217002:2020, UNE 217001:2020	
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001	

EQUINOX2 HSX Range

MODEL	CODE	MAXIMUM DC INPUT POWER (kW)	RATED POWER (kW)	MAXIMUM APPARENT OUTPUT POWER (kVA)	OUTPUT CURRENT (A)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
EQX2 3001-HSX	6B2AB000027	4.8	3	3.3	13	175 × 550 × 410	26
EQX2 4002-HSX	6B2AB000028	6.72	4.2	4.62	18.3	175 × 550 × 410	26
EQX2 5002-HSX	6B2AB000029	8	5	5.5	21.7	175 × 550 × 410	26
EQX2 6002-HSX	6B2AB000030	9.6	6	6.6	26.1	175 × 550 × 410	26
EQX2 8002-HSX	6B2AB000031	12.8	8	8.8	34.8	175 × 550 × 410	26

Choice of batteries

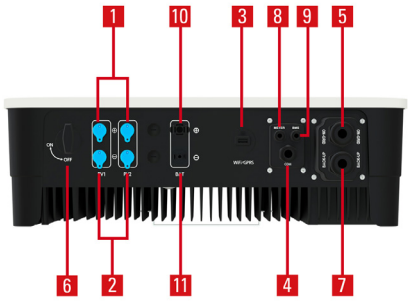
The batteries available for this model have a capacity ranging from 5 to 20 kWh. For information on SALICRU **Residential battery** options, see page 26 of the catalogue. In addition, this range of inverters is compatible with the following battery brands and models:

BRAND	MODEL
SUNWODA	**Residential batteries (5-20 kWh)**
Pylontech	Force H1/H2 / Powercube X1/X2/H1/H2

Dimensions

EQX2 3001÷8002-HSX

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 terminal.
6. DC disconnector.
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

MODEL		EQX2 3001-HSX	EQX2 4002-HSX	EQX2 5002÷8002-HSX
INPUT DC	Starting voltage (V)	80		
	Max. short-circuit current - Isc PV (A)	20	20/20	
	Inputs per MPPT	1/1		
	Inputs per MPPT	1	2	
	MPPT voltage range (VDC)	100 ÷ 550		
	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)(2)		
	Voltage ranges	195.5 ÷ 253 V according to UNE 217002		
	Max. total harmonic distortion (THD)	<3%		
	Frequency	50 Hz (45.5 ÷ 55 Hz) / 60 Hz (55 ÷ 65 Hz)		
	Performance EU	97,0%		
	Maximum performance	97,6%		
BATTERY	Battery type	Lithium with BMS		
	Voltage range	85 ÷ 500 V		
	Maximum charge/discharge current	30 A		
COMMUNICATION	Ports	RS485, WiFi		
INDICATIONS	Type	3 LED states, LED bar for battery level, OLED display		
PROTECTION	Input DC disconnector	Included		
	Integrated in the device	Inverse polarity DC, Residual Current, DC disconnector, Over-voltage, Over-temperature, Differential, Islanding operation, AC short-circuit, Over-voltage AC		
	Over-voltage protection category	PV: II / AC: II		
GENERAL	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%		
	Maxium operating altitude	3,000 masl (power degradation up to 4,000 m)		
	Degree of protection	IP65		
	Isolation	Transformerless		
	Cooling	Natural convection (no fans)		
	Acoustic noise at 1 metre	<25 dB		
	Terminal type	MC4		
	Installation	Indoor and outdoor installation / Wall support		
	Topology	Transformerless hybrid		
STANDARDS	Certificate	EN 61000-6-2/3(3)		
	Safety / EMC	IEC 62109-1/2 / EN 61000-6-2/3		
	Energy efficiency	IEC EN UNE 61683		
	Environmental tests	IEC EN UNE 60068-1/2/14/30		
	Operation / Protection	UNE EN 62116:2014, IEC 61727:2004, UNE 217002:2020, UNE 217001:2020		
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001		

(1) Minimum energy for starting the inverter up 150 W
(2) For 2 x 230 V two-phase voltages, ask
(3) Consult available regulations for other countries

EQUINOX2 HT Range

MODEL	CODE	MAXIMUM DC INPUT POWER (kW)	RATED POWER (kW)	MAXIMUM APPARENT OUTPUT POWER (kVA)	OUTPUT CURRENT (A)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
EQX2 4002-HT	6B2AB000035	6.4	4	4.4	5,7	175 × 550 × 410	26
EQX2 5002-HT	6B2AB000036	8	5	5.5	7,2	175 × 550 × 410	26
EQX2 6002-HT	6B2AB000037	9.6	6	6.6	8,6	175 × 550 × 410	26
EQX2 8002-HT	6B2AB000038	12.8	8	8.8	11,5	175 × 550 × 410	28
EQX2 10002-HT	6B2AB000039	16	10	11	14,5	175 × 550 × 410	28
EQX2 12002-HT	6B2AB000040	19.2	12	13.2	17,3	175 × 550 × 410	28

Choice of batteries

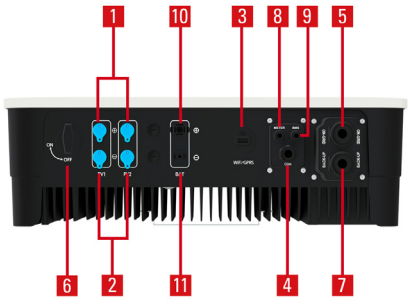
The batteries available for this model have a capacity ranging from 5 to 20 kWh. For information on SALICRU **Residential battery** options, see page 26 of the catalogue. In addition, this range of inverters is compatible with the following battery brands and models:

BRAND	MODEL
SUNWODA	**Residential batteries (5-20 kWh)**
Pylontech	Force H1/H2 / Powercube X1/X2/H1/H2

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 disconnector.
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

MODEL		EQX2 4002/5002-HT	EQX2 6002-HT	EQX2 8002÷12002-HT
INPUT DC	Starting voltage (V)	150	180	
	Max. short-circuit current - Isc PV (A)	18/18		
	Inputs per MPPT	1/1		
	Inputs per MPPT	2		
	MPPT voltage range (VDC)	150 ÷ 850	200 ÷ 850	
	Input maximum current per tracker (A)	13/13		
OUTPUT	Power factor	0.8 inductive…0.8 capacitive		
	Network voltage	3x400 V Three-phase (3L, N, PE)		
	Voltage ranges	195.5 ÷ 253 V (F-N) according to UNE 217002		
	Max. total harmonic distortion (THD)	<3%		
	Frequency	50 Hz (45.5 ÷ 55 Hz) / 60 Hz (55 ÷ 65 Hz)		
	Performance EU	97,3%		97,4%
	Maximum performance	98,1%		98,2%
BATTERY	Battery type	Lithium with BMS		
	Voltage range	180 ÷ 750 V(2)	182 ÷ 750 V(2)	183 ÷ 750 V(2)
	Maximum charge/discharge current	25 A		
COMMUNICATION	Ports	RS485, WiFi		
INDICATIONS	Type	3 LED states, LED bar for battery level, OLED display		
PROTECTION	Input DC disconnector	Included		
	Integrated in the device	Inverse polarity DC, Residual Current, DC disconnector, Over-voltage, Over-temperature, Differential, Islanding operation, AC short-circuit, Over-voltage AC		
	Over-voltage protection category	PV: II / AC: II		
GENERAL	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%		
	Maxium operating altitude	3,000 masl (power degradation up to 4,000 m)		
	Degree of protection	IP65		
	Acoustic noise at 1 metre	<25 dB		
	Terminal type	MC4		
	Installation	Indoor and outdoor installation / Wall support		
	Topology	Transformerless hybrid		
STANDARDS	Safety / EMC	IEC 62109-1/2 / EN 61000-6-2/3		
	Energy efficiency	IEC EN UNE 61683		
	Environmental tests	IEC EN UNE 60068-1/2/14/30		
	Operation / Protection	UNE EN 62116:2014, IEC 61727:2004, UNE 217002:2020, UNE 217001:2020		
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001		

(1) Minimum energy for starting the inverter up 150 W
(2) For EQUINOX batteries: 550 V
(3) Consult available regulations for other countries

EQUINOX2 HT+ Range

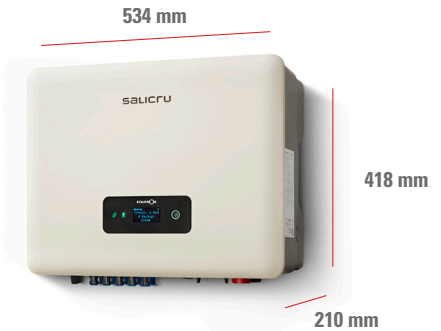
MODEL	CODE	MAXIMUM DC INPUT POWER (kW)	RATED POWER (kW)	MAXIMUM APPARENT OUTPUT POWER (kVA)	OUTPUT CURRENT (A)	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
EQX2 15002-HT+	6B2AE000012	23	15	16.5	21,7	210 × 534 × 418	31
EQX2 20002-HT+	6B2AE000013	30	20	22	29	210 × 534 × 418	31
EQX2 25004-HT+	6B2AE000014	38	25	27.5	38	300 × 800 × 620	72
EQX2 30004-HT+	6B2AE000015	45	30	33	43,5	300 × 800 × 620	72
EQX2 40004-HT+	6B2AE000016	60	40	44	60	300 × 800 × 620	72
EQX2 50004-HT+	6B2AE000017	75	50	55	75	300 × 800 × 620	72

Choice of batteries

The batteries available for this model have a capacity ranging from 5 to 60 kWh. For information on SALICRU's **Residential and Industrial battery** options, see page 26 of the catalogue. In addition, this range of inverters is compatible with the following battery brands and models, with a capacity of up to 360 kWh:

BRAND	MODEL
SUNWODA	**Industrial batteries (25-60 kWh)**
BMZ	PowerBloxx
Cegasa	E/Scal HV
Dyness	Tower/Tower Pro / PowerRack (HV1/HV2/HV4/HV4F) / PowerStone
Lithium Valley	LV-BST-H2.56 / LV-BST-H5.12 / LV-IESS-RH14.336Aa
Pylontech	Force H1/H2(-V2)/H3 / Powercube X1/X2/H1/H2(-V2) / Powercube M1/M2/M3
Shoto	HP-SG
Soluna	Soluna 10K HV / Soluna 15K HV
Wattsonic	3.84kWh Commercial (6-17/Rack)
Weco	5K3XP (High Voltage) / 14K3XP (High Voltage)
Zetara	Zbox100 / Zbox200

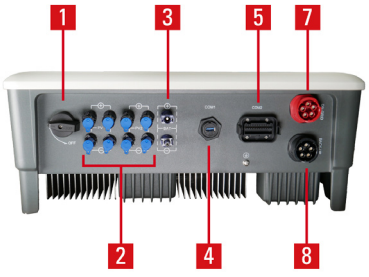
Dimensions



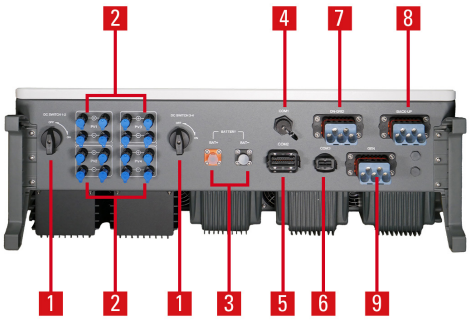
EQX2 15002/20002-HT+

EQX2 25004÷50004-HT+

Connections



EQX2 15002/20002-HT+



EQX2 25004÷50004-HT+

1. DC disconnectors
2. MC4 DC connectors
3. Battery connectors
4. COM1 port (USB Wi-Fi connection)
5. COM2 port (BMS connection)
6. COM3 port (auxiliary connection)
7. AC output terminal
8. Backup output terminal
9. Connector for auxiliary generator only available for the EQX2 25004÷50004-HT+ models (under development)

Technical specifications

MODEL		EQX2 15002/20002-HT+	EQX2 25004÷50004-HT+
INPUT DC	Rated voltage	620	
	Starting voltage (V)	236	
	Max. short-circuit current - Isc PV (A)	40/40	
	Inputs per MPPT	2	
	Inputs per MPPT	2	4
	MPPT voltage range with battery	236 ÷ 850	
	MPPT voltage range (VDC)	200 ÷ 950	200 ÷ 850
	Input maximum current per tracker (A)	30	
OUTPUT	Power factor	0.8 inductive…0.8 capacitive	
	Network voltage	3x400 V Three-phase (3L, N, PE)	
	Voltage ranges	195.5 ÷ 253 V (F-N); adjustable depending on the country	
	Max. total harmonic distortion (THD)	<3 %	
	Frequency	50 Hz / 60 Hz; margins adjustable depending on the country	
	Performance EU	97,5%	98,3%
	DCI	<0,5 % In	
	Maximum performance	98,4%	98,8%
OUTPUT Back-up	Transfer time (ms)	<20	
BATTERY	Battery type	Lithium with BMS	
	Voltage range	135 ÷ 750 V	
	Maximum charge/discharge current	40 A	100 A
COMMUNICATION	Ports	CAN, RS485, WiFi/LAN (optional)	
INDICATIONS	Type	OLED & LED	
PROTECTION	Input DC disconnector	Bipolar. Load break	
	Integrated in the device	DC reverse polarity, battery input connection reversal, insulation resistance, DC overvoltage, temperature, residual current, island operation, AC overvoltage, overload, AC short circuit, GFCI	
	Over-voltage protection category	PV: II / AC: III	
GENERAL	Contamination level	PD2/PD3	
	Self-consumption (at night)	<15 W	
	Operating temperature	-30°C ~ +60°C (de-rate for temperature >45°C)	
	Relative humidity	0~100%	
	Maxium operating altitude	3,000 masl (power degradation up to 4,000 m)	
	Degree of protection	IP65	
	Cooling	Smart fan	
	Acoustic noise at 1 metre	<40 dB	<50 dB
	Terminal type	MC4	
	Installation	Indoor and outdoor installation / Wall support	
	Topology	Transformerless hybrid	
STANDARDS	Safety / EMC	IEC 62109-1/2 / EN 61000-6-2/3	
	Energy efficiency	IEC EN UNE 61683	
	Environmental tests	IEC EN UNE 60068-1/2/14/30	
	Operation / Protection	UNE EN 62116:2014, IEC 61727:2004, UNE 217002:2020, UNE 217001:2020(2)	
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001	

(1) With minimum power of 250 W
(2) Consult the regulations available for other countries

EQUINOX2 BATT Range

MODEL	CODE	DESCRIPTION	DIMENSIONS (D × W × H mm)	WEIGHT (Kg)
BMS Residential + BASE	6B2AC000007	Control module + base required to install up to a maximum of 4 battery modules	189 × 653 × 282	9,5
BAT 5 KWh Residential	6B2AC000006	5kWh high-voltage LiFePO4 (LFP) lithium iron phosphate battery with scalable modular configuration	189 × 653 × 315	51,5

Choice of batteries

MODEL	BASE CODE	BMS CODE	BATTERY CODE	RATED CAPACITY (kWh)	RATED VOLTAGE (V)	COMPATIBILITY
SUNWODA Residential 5 kWh	6B2AC000007	1 x 6B2AC000006	5	400	61	HSX, HT, HT+
SUNWODA Residential 10 kWh	6B2AC000007	2 x 6B2AC000006	10	400	112,5	HSX, HT, HT+
SUNWODA Residential 15 kWh	6B2AC000007	3 x 6B2AC000006	15	400	164	HSX, HT, HT+
SUNWODA Residential 20 kWh	6B2AC000007	4 x 6B2AC000006	20	400	215,5	HSX, HT, HT+

Up to 3 battery towers can be connected in parallel, reaching up to 60kWh.
For proper operation in off-grid installations, the battery capacity must be at least twice the inverter power.

Dimensions

BASE

BATTERY MODULE

CONTROL MODULE (BMS)

Connections

BMS RIGHT.

BMS LEFT.

1. On/off button.
2. Wi-Fi antenna.
3. DC output isolator.
4. Positive battery terminal.
5. Negative battery terminal.
6. Main communication port (connection to inverter).
7. Ethernet connection.
8. Ports for connection to other batteries.
9. Ground connection.

Technical specifications

MODEL		BASE + BMS	BATTERY MODULE
BATTERY	Nominal voltage	-	400
	Rated capacity (kWh)	-	5
	Nominal load/discharge power (kW)	-	2,5
GENERAL	Module connection	DEVALAN BLUE MC4 y RJ-45	Stacking integrated connectors
	Degree of protection	IP65	
	Indications	Pantalla a color con estado y porcentaje de batería	-
	Communication interface	CAN 2.0 / RS485 / WIFI / LAN	-
	Operating temperature range	-10ºC a 50ºC	
	Cooling	Refrigeración natural y ventilación forzada	
	Relative humidity	5 ~ 95% (sin condensar)	
	Maximum operating altitude	2.400 m.s.n.m.(1)	
STANDARDS	Safety / EMC	CE / IEC UNE 62619 / UN 38.3	
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001	
DIMENSIONS	Depth × Width × Height (mm)	189 x 653 x (80+202)	189 x 653 x 315
WEIGHT	Weight (kg)	9,5	51,5
CODE		6B2AC000007	6B2AC000006

(1) Power degradation up to a maximum of 5000 metres above sea level.

Information subject to change without notice.

Industrial battery range (25-60 kWh)

MODEL	CODE	NOMINAL CAPACITY (kWh)	RATED VOLTAGE (V)	DIMENSIONS (F × AN × AL mm)	WEIGHT (Kg)	COMPATIBILITY
SUNWODA Industrial 25 kWh	6B2EA000000	25	256	410 x 480 x 104	248	HSX, HT, HT+
SUNWODA Industrial 30 kWh	6B2EA000001	30	307,2	410 x 480 x 121	294	HSX, HT, HT+
SUNWODA Industrial 35 kWh	6B2EA000002	35	358,4	410 x 1180 x 700	340	HSX, HT, HT+
SUNWODA Industrial 40 kWh	6B2EA000003	40	409,6	410 x 1180 x 870	386	HSX, HT, HT+
SUNWODA Industrial 45 kWh	6B2EA000004	45	460,8	410 x 1180 x 870	432	HSX, HT, HT+
SUNWODA Industrial 50 kWh	6B2EA000005	50	512	410 x 1180 x 1040	478	HT, HT+
SUNWODA Industrial 55 kWh	6B2EA000006	55	563,2	410 x 1180 x 1040	524	HT, HT+
SUNWODA Industrial 60 kWh	6B2EA000007	60	614,4	410 x 1180 x 1210	570	HT, HT+
SUNWODA 60 kWh Industrial Cabinet	6B2AC000005	60	614,4	750 x 1200 x 2160	880	HT, HT+

Up to 6 towers/cabinets can be configured in parallel, reaching a maximum of 360 kWh.
For proper operation in off-grid installations, the battery capacity must be at least twice the inverter power.

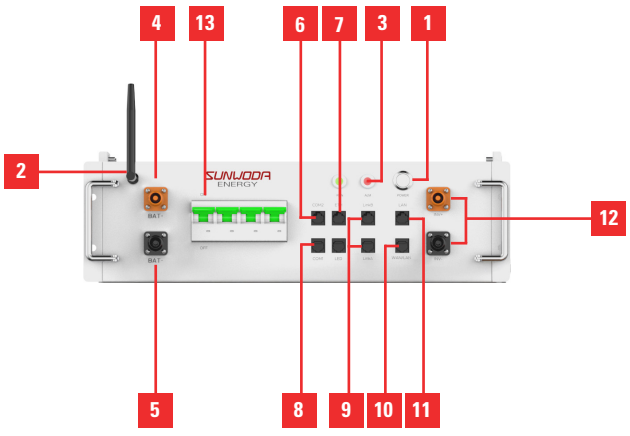
Dimensions

BATTERY MODULE

CONTROL MODULE (BMS)

INDUSTRIAL CABINET 60 kWh

Connections



MÓDULO DE CONTROL (BMS)

1. Botón on/off.
2. Antena wifi
3. Led de alarma
4. Terminal positivo de baterías.
5. Terminal negativo de baterías.
6. Puerto de comunicación principal (conexión a inversor).
7. Conexión ethernet.
8. Puertos conexión a otras baterías
9. Puertos conexión entre modulos.
10. Conexión WAN/LAN.
11. Conexión LAN/RJ45
12. Conector positivo/negativo de salida
13. Seccionador DC

Technical specifications

MODEL		INDUSTRIAL BATTERIES
BATTERY	Tensión nominal	256 ÷ 615
	Capacidad nominal (kWh)	25 ÷ 60
	Nominal load/discharge power (kW)	12,5 ÷ 30
	Maximum load/discharge current (A)	100
	Discharging cycles	6,000 cycles @ 25°C 0.5°C 90% DOD, EOL 70%
GENERAL	Module connection	Quick connectors / RJ45
	Degree of protection	IP20 / IP5
	Communication interface	CAN 2.0 / RS485 / WIFI / LAN
	Operating temperature range	Charging: 0°C to 50°C / Discharging: -20°C to 55°C / -30°C to 50°C
	Cooling	Natural cooling/Air conditioning cooling
	Relative humidity	5–95% (non-condensing)
	Maximum operating altitude	2.400 m.s.n.m.(1)
STANDARDS	Safety / EMC	CE / UN38.3 / IEC62619 / VDE-AR-N 4105 / IEC 6210
	Corporate cerification	ISO 9001, ISO 14001, ISO 45001
DIMENSIONS	Depth × Width × Height (mm)	410 ÷ 750 x 480 ÷ 1180 x 104 ÷ 2160
WEIGHT	Weight (kg)	248 ÷ 880

(1) Power degradation up to a maximum of 5000 metres above sea level.

Information subject to change without notice.

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.

Self-consumption

Our devices offer a holistic energy solution. The **EQUINOX2** inverter converts solar energy for use in the home, while the **Residential and Industrial batteries** store the surplus for periods of low generation or high tariffs. The entire system is managed by the **SLC ENERGY MANAGER**, which optimises control and stabilises unstable power grids.

In addition, if greater stability is required, SALICRU's range of **RE3** electronic or **EMi3** electromechanical voltage stabilisers can ensure a reliable power supply and prolong the life of all your household appliances.

Off-grid installations

EQUINOX2 units offer total energy autonomy in isolated mode (three-phase and single-phase). Together with **Residential and Industrial batteries**, they guarantee a reliable supply without depending on the grid. In addition, **EQUINOX2 HT+** versions allow an auxiliary generator to be connected for greater autonomy.

Power generation plants

The three-phase **EQUINOX2** systems enable the connection of up to 30 devices, ensuring advanced monitoring with the **SLC Energy Manager**, which optimises the performance and oversight of the installation. Additionally, these systems support the supply of multiple DC loads in large installations through the **DC POWER-L** and **DC POWER-S** rectifiers, providing efficient, safe, and reliable conversion. These solutions are designed to offer a flexible and robust integration, adapting to the most demanding of energy requirements. Thanks to their advanced technology, they maximise system efficiency and extend the useful life of your equipment, reducing operating costs and improving energy sustainability.

Revamping

We offer advanced solutions for retrofitting plants with obsolete single MPPT equipment. Our technology optimises performance and energy efficiency while ensuring compatibility with existing infrastructures. The **SLC Energy Manager** allows centralised monitoring and precise control of energy consumption and production for up to 30 devices at once.

This maximises solar utilisation, reduces operating costs and prolongs the lifetime of the systems, ensuring optimum performance in the long term.

SALICRU SERVICES

Technical Service and Support

Data that endorse our willingness to serve

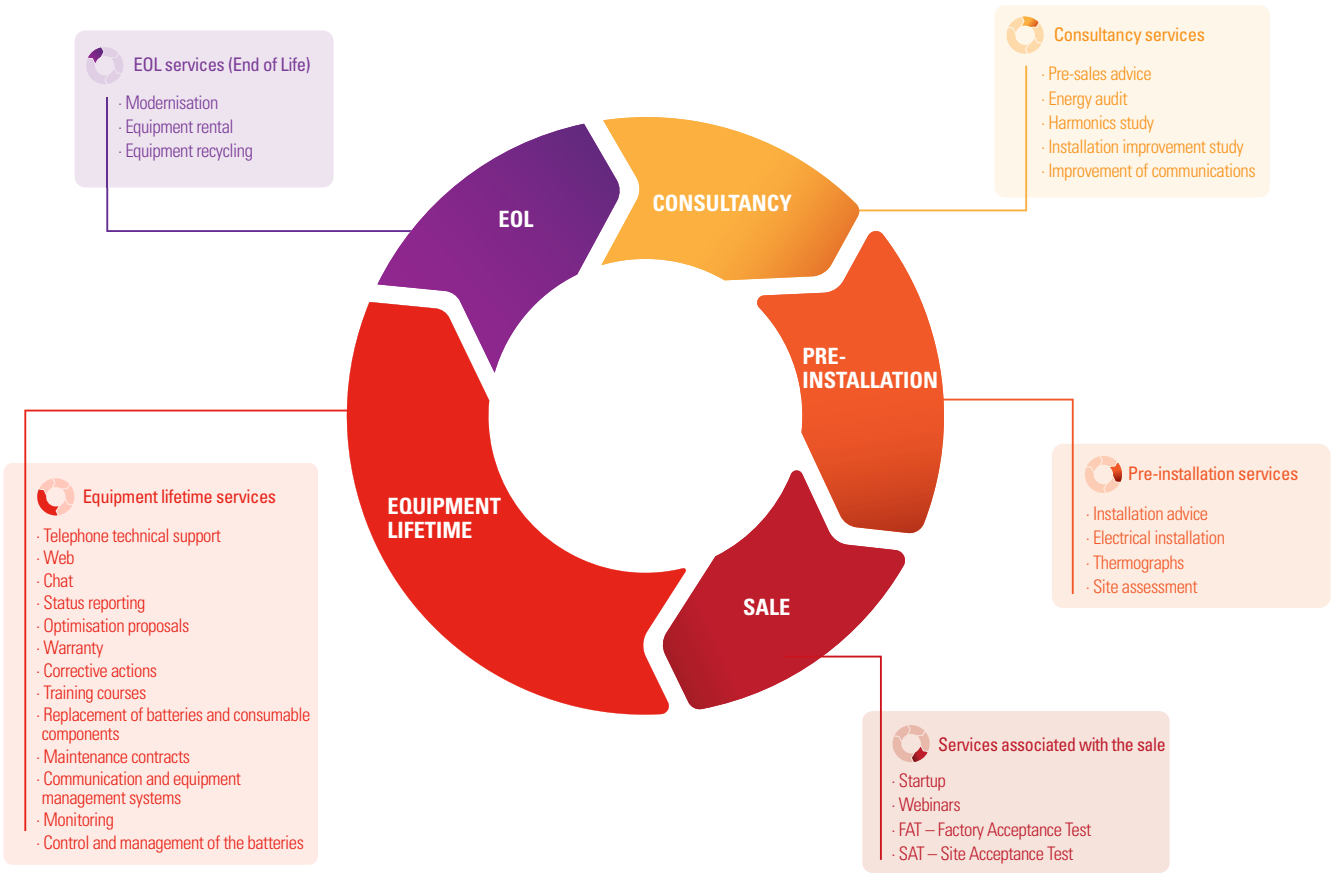
With **six decades** of experience, Salicru has been at the forefront of design, manufacturing, marketing and technical services in the power electronics market. Our combined experience in these different process levels has allowed us to develop excellent products and offer a highly professional service.

Currently, SALICRU has **14 branches** in Spain, all of which have a SERVICES team of the highest standard. Our international subsidiaries and distributors undergo intensive and rigorous training to ensure that our service excellence is maintained at the desired level in each country we operate in.

As an additional service priority, SALICRU focuses on **ongoing training** for customers, distributors, and field technicians.

In services, technological progress is being achieved hand in hand with remote connection and the corresponding monitoring, which is why our devices can be remotely connected directly to our **Technical Service headquarters**. Connectivity is now a fundamental element of predictive maintenance, scheduling periodic maintenance and reacting quickly to conditions that interfere with smooth operation. Having a Connected Software department has allowed us to achieve maximum autonomy and ensure excellence in this field.

Our wide range of **maintenance contracts** adapts perfectly to the needs of our clients in terms of timetables and modalities.



Avda. de la Serra 100
08460 Palautordera
BARCELONA
Tel. +34 93 848 24 00
salicru@salicru.com
SALICRU.COM

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Product Range

Uninterruptible Power Supplies (UPS)
Solar Inverters
Variable Frequency Drives
DC Systems
Transformers and Autotransformers
Voltage Stabilisers
Protective Power Strips
Batteries