

EQUINOX2 T A

On-grid three-phase solar inverters from 2.2 to 55 kW
low voltage

EQUINOX2 T / T-RV: Energy at the service of productivity

EQUINOX2 T A solar inverters offer a comprehensive range of three-phase models with high performance and reasonable cost, without sacrificing the slightest bit of quality.

The exceptional design, focused above all on functionality and reducing the thermal stress on the equipment, guarantees ease of assembly, minimal space requirements, durability and consistent performance. Aesthetically, the design follows the **Salicru** family of inverters, with well-defined shapes and neutral colours, applied with a level of finish in keeping with the high quality of the product. The control panel has a large integrated OLED display, offering optimal visibility

Salicru's primary objective is to always offer cutting-edge technology in all its equipment. Consequently, the selection of components features the most advanced technology (SiC) and the seal of guarantee from the best manufacturers on the planet. The **EQUINOX2 T A** series also offers monitoring of the photovoltaic installation via the WEB portal and the free **EQUINOX** app for smartphones and tablets.

With a complete and consistent power scaling and a selection of MPPTs suitable for the most common use cases, the **EQUINOX2 T A** series is suitable for the vast majority of projects where the grid is low-voltage three-phase.



Applications: Self-consumption for small and medium businesses

The **EQUINOX2 T A** series is generally designed to be used both in small (such as small shops or offices) and in larger premises (workshops, supermarkets, medium-sized companies) that decide to take a big step towards green energy thus gaining autonomy of electricity supply, reducing in turn the cost of energy.



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SMART
SOLUTIONS

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Performances

- Reduced dimensions and weight.
- Wide operating temperature.
- Optimum resistance to corrosion.
- Layout of components oriented to thermal optimization, ensuring longer equipment life.
- Integrated surge protection for DC and AC.
- High-tech components made of Silicon Carbide.
- Scaling of fourteen powers. Adaptable to any type of project.
- From 2 to 10 MPPT trackers (depending on power) with a wide voltage range, adaptable to most roofs and/or surfaces.
- High conversion efficiency and input current adapted to high-performance panels.
- Low start-up voltage: 180 Vdc.⁽¹⁾
- Function to limit surpluses to the integrated network.
- Admits 30% of input power in DC, above the nominal voltage.
- Possibility of delivering 10% more power in addition to the nominal.
- Supervision of the installation via the web and the free EQUINOX app.⁽²⁾
- 10-year warranty, extendable to 20 years.

(1) 200V for 100kW model.

(2) To obtain 24-hour data (generation, grid and consumption), the optional communication device SLC Energy Manager is required.



Quad Core

Quad Core processing, offering a 200 MHz frequency main module and a high-frequency communication module, with embedded high-speed access memories; all high end features at the heart of our three-phase inverters.

Communication modules

The standard inverter includes a module for monitoring generation hours only. If you wish to monitor consumption 24 hours a day, you must purchase the optional SLC Energy Manager communications device.



High Flexibility

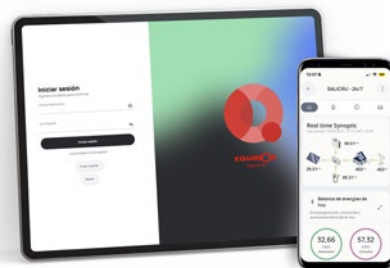
As the power in a photovoltaic installation increases, the number of panels required also increases. Faced with this greater need for space, the lack of availability gives rise to a multitude of variables that complicate the configuration of the strings (differences in orientation, projected shadows, uneven slopes, etc).

The resulting diversity requires greater definition for the differentiated management of each panel group in order to get the most out of the installation.

Accordingly, our **EQUINOX2 T A** series offers a greater number of MPPTs (Maximum Power Point Tracker) in relation to the power of the equipment. Reaching up to 10 MMPTs in the 100kW model.

Monitoring from app and website

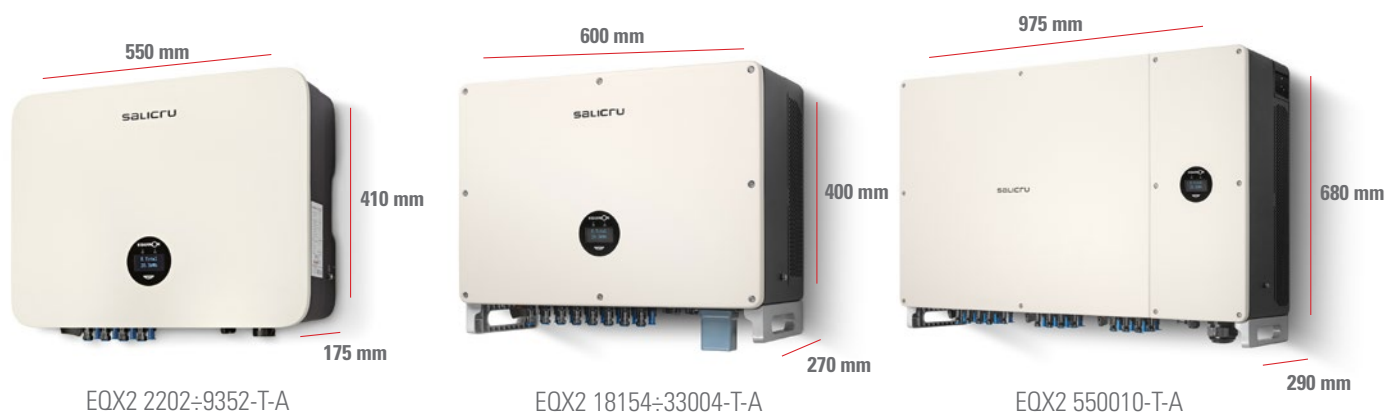
The free **EQUINOX** app and the website allow monitoring of the current status of the photovoltaic installation to consult log data and monitor in real time the photovoltaic power produced: consumed by load, consumed by the mains, or injected into it. The app also provides data regarding the cost savings achieved as well as the total reduction in CO2. Having the required options, **EQUINOX** allows you to activate the zero reinjection mode in your installation.



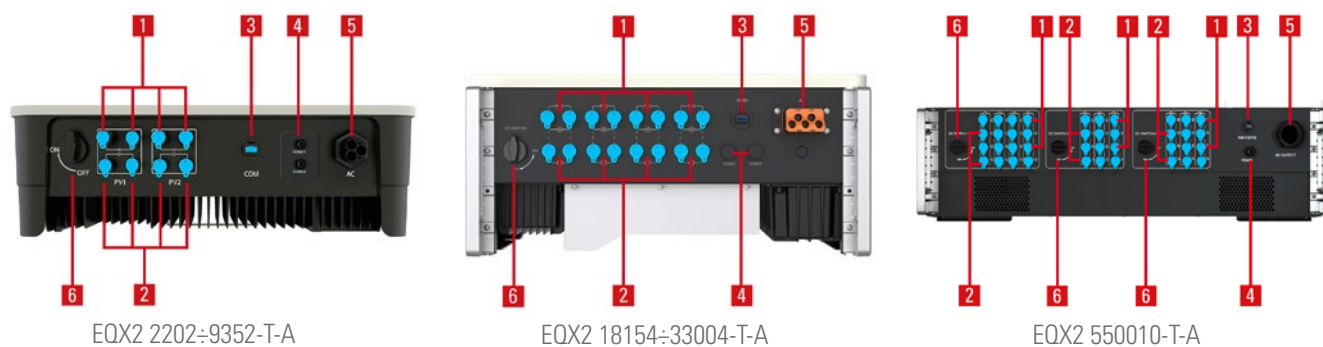
Range

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 2202-T-A	6B2R0000018	3,5	2,2	2,4	6,7	175 × 550 × 410	23
EQX2 2752-T-A	6B2R0000019	4,4	2,75	5,5	8,4	175 × 550 × 410	23
EQX2 3302-T-A	6B2R0000020	5,3	3,3	6,6	10	175 × 550 × 410	23
EQX2 4402-T-A	6B2R0000021	7	4,4	8,8	13,3	175 × 550 × 410	23
EQX2 5502-T-A	6B2R0000022	8,8	5,5	11	16,5	175 × 550 × 410	23
EQX2 6602-T-A	6B2R0000023	10,56	6,6	13,2	20	175 × 550 × 410	23
EQX2 8252-T-A	6B2R0000024	13,2	8,25	16,5	25	175 × 550 × 410	26
EQX2 9352-T-A	6B2R0000025	14,9	9,35	18,7	28,4	175 × 550 × 410	29
EQX2 11002-T-A	6B2R0000026	17,6	11	22	31,9	175 × 550 × 410	29
EQX2 13752-T-A	6B2R0000027	22	13,75	27,5	39	175 × 550 × 410	29
EQX2 18154-T-A	6B2R0000028	29	18,15	19,9	47,8	270 × 600 × 400	42
EQX2 22004-T-A	6B2R0000029	35,2	22	24,2	58	270 × 600 × 400	42
EQX2 27504-T-A	6B2R0000030	44	27,5	30,2	72,5	270 × 600 × 400	42
EQX2 33004-T-A	6B2R0000031	52,8	33	33	87	270 × 600 × 400	42
EQX2 550010-T-A	6B2R0000032	88	55	60,5	158,8	290 × 975 × 680	82

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 isolator switch.

Technical specifications

MODEL		EQX2 2202÷6602-T-A	EQX2 8252-T-A	EQX2 9352÷13752-T-A	EQX2 18154÷33004-T-A	EQX2 55010-T-A
INPUT DC	Starting voltage (V)	180				200
	Max. short-circuit current - I _{sc} 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	
	Inputs per MPPT	2			4	10
	MPPT voltage range (VDC)	160 ÷ 550			180 ÷ 550	200 ÷ 550
	Maximum input voltage (V _{dc})	600				
	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 45001www				

(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

(5) The single MPPT is distributed across the 10 inputs of the inverter.

Information subject to change without notice.

