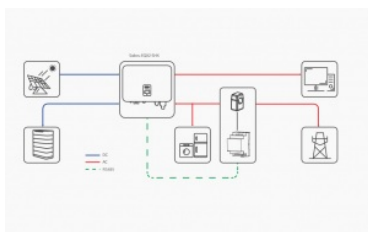


# EQUINOX 2 SINGLE PHASE HYBRID



Esquema Salicru Equinox Hybrid

New Hybrid inverters Salicru Equinox 2, are the results of the evolution, collaboration and development for technicians working into photovoltaics since 1993.

Salicru Equinox 2 single phases hybrid inverters, have the next features:

### High yield:

- Up to 97,6 % of efficiency.
- European weighted efficiency of 97%
- Wide MPPT voltage range
- Up to 10 % continuous overload capacity.
- MPPT design with precise MPPT algorithm.

### Hibryd functionality:

- Working with high voltage Lithium Batteries (with BMS)
- Wide battery voltage range
- Battery Charging/Discharging Conversion Efficiency up to 96,6 %
- Off-grid functionality
- Uninterruptible power supply, switch to off-grid mode within 10ms
- Up to 30A to meet the demand of higher consumption and energy trading

### Safe & Reliable:

- High reliability due to good heat dissipation design
- Integrated lightning protection for both DC and AC
- Addaptable to complex power grid
- High anti-corrosion ability with aluminium alloy die casting technology
- IP65, wider working temperature and altitude, adapted to a wide installation environments.

### Easy to use.

- Compact elegant design, light weight, easy to install for one person.
- Plug and play connector, easy to install.
- Support a wide range of connections (RS485, WiFi, GPRS, LAN optional)
- Remote upgrade available.
- Fast and easy configuration via APP or OLED display.

## SPECIFICATIONS

	EQX2-3001-HSX	EQX2-4002-HSX	EQX2-5002-HSX	EQX-6002-HSX	EQX-8002-HSX
<b>PV Input</b>					
Max. PV array power	3900 W	5460 W	6500 W	7800 W	10400 W
Max. input voltage	600 V	600 V	600 V	600 V	600 V
MPP Voltage range	100 - 550 V	100 - 550 V	100 - 550 V	100 - 550 V	100 - 550 V
Rated input voltage	360 V	360 V	360 V	360 V	360 V
Min. Input voltage / initial input voltage	80 / 100 V	80 / 100 V	80 / 100 V	80 / 100 V	80 / 100 V
Max. input current	15 / 15 A	15 / 15 A	15 / 15 A	15 / 15 A	15 / 15 A
Max. short-circuit current per string	20 / 20 A	20 / 20 A	20 / 20 A	20 / 20 A	20 / 20 A
Number of independent MPP inputs / strings per MPP input	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1
<b>Battery</b>					
Battery type	Lithium Battery (with BMS)	Lithium Battery (with BMS)	Lithium Battery (with BMS)	Lithium Battery (with BMS)	Lithium Battery (with BMS)
Battery communication mode	CAN / RS485	CAN / RS485	CAN / RS485	CAN / RS485	CAN / RS485
Battery voltage range	100 - 500 V	100 - 500 V	100 - 500 V	100 - 500 V	100 - 500 V
Maximum current (Charge / Discharge)	30 / 30 A	30 / 30 A	30 / 30 A	30 / 30 A	30 / 30 A
Rated Current of Built-in Fuse	63 A	63 A	63 A	63 A	63 A
Recommended HV battery modules (48V)	3	3	4	4	6
<b>AC Output</b>					
Rated power at 230V, 50 Hz	3000 W	4200 W	5000 W	6000 W	8000 W
Max. apparent AC power	3300 W	4600 W	5500 W	6600 W	8000 W
Nominal AC voltage	220 / 230 / 240 V				
AC power frequency / range	50-60 Hz / - 5 to +5 Hz				
Max. output current	15 A	21 A	25 A	28,7 A	36,3 A
Power factor at rated power	1	1	1	1	1

Power factor at rated power	0.8 overexcited to 0.8 underexcited				
<b>AC Output (Backup)</b>					
Rated power at 230V, 50 Hz	3000 W	4200 W	5000 W	6000 W	8000 W
Max. apparent AC power	3300 W	4600 W	5500 W	6600 W	8000 W
Nominal AC voltage	220 / 230 / 240 V				
AC power frequency / range	50-60 Hz / - 5 to +5 Hz				
Max. output current	15 A	21 A	25 A	28,7 A	36,3 A
Power factor at rated power	1	1	1	1	1
Power factor at rated power	0.8 overexcited to 0.8 underexcited				
Switching time	< 10 ms				
<b>Efficiency</b>					
Max. Efficiency	97,6 %	97,6 %	97,6 %	97,6 %	97,6 %
European efficiency	97,0 %	97,0 %	97,0 %	97,0 %	97,0 %
Battery conversion efficiency (charge/discharge)	96,6 % / 96,6 %	96,6 % / 96,6 %	96,6 % / 96,6 %	96,6 % / 96,6 %	96,6 % / 96,6 %
<b>Protection Devices</b>					
Solar DC reverse polarity protection	Yes, integrated				
Battery DC reverse polarity protection	Yes, integrated				
Insultaion resistance protection	Yes, integrated				
Surge protection	Yes, Type II AC / DC				
Over-temperature protection	Yes, integrated				
Residual-current monitoring unit	Yes, integrated				
Grid monitoring	Yes, integrated				
AC short-circuit current capability	Yes, integrated				
AC over-voltage protection	Yes, integrated				
DC over-voltage protection	Yes, integrated				
<b>General Data</b>					
Dimensions ( W x H x D )	550 x 410 x 175 mm				
Weight	26 Kgr				
Operating temperature range	-30 to 60 °C				
Noise emission, typical	< 25 dB				
Self-consumption	< 15 W				
Topology	Transformerless				
Natural convection	Natural convection				
Protection degree	IP65				
Max. relative humidity (non-condensing)	100 %				
<b>Features</b>					
Display	OLED and leds				
Communications	WiFi / Lan (Optional)				
Warranty	5 Years + 5 years Optional, warranty extention up to 25 years				
Certificates	IEC62109[]IEC62116[]VDE4105[]VDE0126[]AS4777[]RD1699[]NBR16149[]IEC61727[]IEC60068[]IEC61683[]EN50549[]EN61000				