EQUINOX 2 SINGLE PHASE

Salicru Equinox 2 single phase, grid connection inverters

Sallicru Equinox EQX2 Monofasicos

Sallicru Equinox EQX2-SX

Sallicru Equinox EQX2-SX detalle

The new serie of grid connection inverters Salicru Equinox 2, is the results of the evolution, collaboration and development for technicians working into photovoltaics since 1993.

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

High yield:

- Up to 97,5 % of efficiency.
- European weighted efficiency of 97%
- Wide MPPT voltage range
- Up to 10 % continuous overload capacity.
- MPPT design with precise MPPT algorithm.

Safe & Reliable:

- Hight reliability due to good heat dissipation design
- Integrated lighting 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.

- Compatc 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 availble.
- Fast and easy configuration via APP or OLED display.

SPECIFICATIONS EQX-S

	EQX-2001-S	EQX-3001-S
DC Input		
Max. PV array power	3200 W	4800 W
Max. input voltage	500 V	500 V
MPP Voltage range	80 - 450 V	80 - 450 V
Rated input voltage	360 V	360 V
Min. Input voltage / initial input voltage	55 / 60 V	55 / 60 V
Max. input current	12,5 A	12,5 A
Max. short-circuit current per string	15 A	15 A
Number of independent MPP inputs / strings per MPP input	1 / 1	1 / 1
AC Output		
Rated power at 230V, 50 Hz	2000 W	3000 W
Max. apparent AC power	2200 VA	3300 VA
Nominal AC voltage	220 / 230 V	220 / 230 V
AC power frequency / range	50, 60 Hz / - 5 to +5 Hz	50, 60 Hz / - 5 to +5 Hz
Rated power frequency / rated grid voltage	50 Hz / 230 V	50 Hz / 230 V
Max. output current	8,7 A	13 A
Power factor at rated power	1	1
Adjustable power factor	0.8 overexcited to 0.8 underexcited	0.8 overexcited to 0.8 underexcited
Feed-in phases / connection phases	1 / 1	1 / 1
Efficiency		
Max. Efficiency	97,5 %	97,5 %
European efficiency	97,0 %	97,0 %
MPPT Efficiency	99,9 %	99,9 %
Protection Devices		
DC reverse polarity protection	Yes, integrated	Yes, integrated
Insultaion resistance protection	Yes, integrated	Yes, integrated
Surge protection	Yes, Type II AC / DC	Yes, Type II AC / DC
Over-temperature protection	Yes, integrated	Yes, integrated
Residual-current monitoring unit	Yes, integrated	Yes, integrated
Grid monitoring	Yes, integrated	Yes, integrated
AC short-circuit current capability	Yes, integrated	Yes, integrated
AC over-voltage protection	Yes, integrated	Yes, integrated
DC over-voltage protection	Yes, integrated	Yes, integrated
General Data		
Dimensions (W x H x D)	327 x 297 x 114 mm	327 x 297 x 114 mm
Weight	6,5 Kgr	6,5 Kgr
Operating temperature range	-30 to 60 °C	-30 to 60 °C
Noise emission, typical	< 25 dB	< 25 dB
Self-consumption (at night)	< 1 W	< 1 W
Topology	Transformerless	Transformerless
Cooling method	Natural convection	Natural convection
Protection degree	IP65	IP65
Max. relative humidity (non-condensing)	100 %	100 %
Features		
DC connection / AC connection	Multicontact / connector	Multicontact / connector
Display	OLED and leds	OLED and leds
Communications	RS485 / WiFi / GPRS / LAN (Optional)	RS485 / WiFi / GPRS / LAN (Optional)
Warranty	5 Years + 5 years Optional, warranty extention up to 25 years	
Certificates and approvals	NB/T32004, IEC62109, IEC62116, VDE4105, VDE0126, UTE C15-712-1, AS4777, C10/11, CEI0-21, RD1699, NBR16149, IEC61727, IEC60068, IEC61683, EN50549, EN61000	

SPECIFICATIONS EQX-SX

	EQX-3002-SX	EQX-4002-SX	EQX-4602-SX	EQX-6002-SX
DC Input				
Max. PV array power	4800 W	6720 W	8000 W	9600 W
Max. input voltage	600 V	600 V	600 V	600 V
MPP Voltage range	100 - 550 V	100 - 550 V	100 - 550 V	100 - 550 V
Rated input voltage	360 V	360 V	360 V	360 V
Min. Input voltage / initial input voltage	100 / 120 V	100 / 120 V	100 / 120 V	100 / 120 V
Max. input current	15 A / 15 A	15 A / 15 A	15 A / 15 A	15 A / 15 A
Max. short-circuit current per string	15 A / 15 A	15 A / 15 A	15 A / 15 A	15 A / 15 A
Number of independent MPP inputs / strings per MPP input	2 / 1	2 / 1	2 / 1	2 / 1
AC Output				
Rated power at 230V, 50 Hz	3000 W	4200 W	4600 W	6000 W
Max. apparent AC power	3300 VA	4600 VA	4600 VA	6600 VA
Nominal AC voltage	220 / 230 V			
AC power frequency / range	50, 60 Hz / - 5 to +5 Hz			
Rated power frequency / rated grid voltage	50 Hz / 230 V			
Max. output current	15 A	21 A	21 A	28,7 A
Power factor at rated power	1	1		
Adjustable power factor	0.8 overexcited to 0.8 underexcited			
Feed-in phases / connection phases	1 / 1	1 / 1	1 / 1	1 / 1
Efficiency				
Max. Efficiency	98,1 %	98,1 %	98,1 %	98,1 %
European efficiency	97,5 %	97,5 %	97,5 %	97,5 %
MPPT Efficiency	99,9 %	99,9 %	99,9 %	99,9 %
Protection Devices				
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			
General Data				
Dimensions (W x H x D)	410 x 360 x 120 mm			
Weight	13 Kgr			
Operating temperature range	-30 to 60 °C			
Noise emission, typical	< 25 dB			
Self-consumption (at night)	< 1 W			
Topology	Transformerless			
Cooling method	Natural convection			
Protection degree	IP65			
Max. relative humidity (non-condensing)	100 %			
Features				
DC connection / AC connection	Multicontact / connector			
Display	OLED and leds			
Communications	RS485 / WiFi / GPRS / LAN (Optional)			
Warranty	5 Years + 5 Years Optional, warranty extention up to 25 years			
Certificates and approvals	NB/T32004, IEC62109, IEC62116, VDE4105, VDE0126, UTE C15-712-1, AS4777, C10/11, CEI0-21, RD1699, NBR16149, IEC61727, IEC60068, IEC61683, EN50549, EN61000			