

## EQUINOX 2 THREE PHASES

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Salicru Equinox 2 three phases, grid connection inverters



Salicru Equinox EQX2-6002-T



Salicru Equinox EQX2-T

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 98,8 % of efficiency.
- European weighted efficiency of 98,3 %
- 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 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.

- Compac 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.

# SPEDIFICATIONS EQX2-T 4 TO 12 KW

	EQX-4002-T	EQX-5002-T	EQX-6002-T	EQX-8002-T	EQX-10002-T	EQX-12002-T
<b>DC Input</b>						
Max. PV array power	5200 W	6500 W	7800 W	10400 W	13000 W	15600 W
Max. input voltage	1100 V	1100 V	1100 V	1100 V	1100 V	1100 V
MPP Voltage range	160 - 1000 V	160 - 1000 V	160 - 1000 V	160 - 1000 V	160 - 1000 V	160 - 1000 V
Rated input voltage	620 V	620 V	620 V	620 V	620 V	620 V
Min. Input voltage / initial input voltage	150 / 180 V	150 / 180 V	150 / 180 V	150 / 180 V	150 / 180 V	150 / 180 V
Max. input current	15 A / 15 A	15 A / 15 A	15 A / 15 A	15 A / 15 A	15 A / 15 A	15 A / 15 A
Max. short-circuit current per string	20 A / 20 A	20 A / 20 A	20 A / 20 A	20 A / 20 A	20 A / 20 A	20 A / 20 A
Number of independent MPP inputs / strings per MPP input	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1
<b>AC Output</b>						
Rated power at 230V, 50 Hz	4000 W	5000 W	6000 W	8000 W	10000 W	12000 W
Max. apparent AC power	4400 VA	5500 VA	6600 VA	8800 VA	11000 VA	13200 VA
Nominal AC voltage	230/400 V					
AC power frequency / range	50, 60 Hz / - 5 to +5 Hz					
Rated power frequency / rated grid voltage	50 Hz / 400 V					
Max. output current	6,7 A	8,4 A	10 A	13,3 A	16,5 A	20 A
Power factor at rated power	1	1	1	1	1	1
Adjustable power factor	0.8 overexcited to 0.8 underexcited					
Feed-in phases / connection phases	3L/N/PE					
<b>Efficiency</b>						
Max. Efficiency	98,1 %	98,1 %	98,3 %	98,3 %	98,6 %	98,6 %
European efficiency	97,9 %	97,9 %	98,0 %	98,0 %	98,2 %	98,2 %
MPPT Efficiency	99,9 %	99,9%	99,9 %	99,9 %	99,9 %	99,9 %
<b>Protection Devices</b>						
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	23 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 %					
<b>Features</b>						
DC connection / AC connection	Multicontact / connector					
Display	OLED and leds					
Communications	RS485 / WiFi / GPRS / LAN (Optional)					
Warranty	5 Years Optional, warranty extention up to 20 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					

# SPEDIFICATIONS EQX2-T 15 TO 33 KW

	EQX-15002-T	EQX-17002-T	EQX-20002-T	EQX-25002-T	EQX-33004-T
<b>DC Input</b>					
Max. PV array power	19500 W	22100 W	26000 W	32500 W	52800 W
Max. input voltage	1100 V	1100 V	1100 V	1100 V	1100 V
MPP Voltage range	160 - 1000 V	160 - 1000 V	160 - 1000 V	160 - 1000 V	180 - 1000 V
Rated input voltage	620 V	620 V	620 V	620 V	620 V
Min. input voltage / initial input voltage	150 / 180 V	150 / 180 V	150 / 180 V	150 / 180 V	180 / 200 V
Max. input current	15 A / 30 A	30 A / 15 A	30 A / 15 A	30 A / 15 A	4 x 26 A
Max. short-circuit current per string	20 A / 40 A	40 A / 40 A	40 A / 40 A	40 A / 40 A	4 x 40 A
Number of independent MPP inputs / strings per MPP input	2 / 1-2	2 / 2	2 / 2	2 / 2	4 / 2
<b>AC Output</b>					
Rated power at 230V, 50 Hz	15000 W	17000 W	20000 W	25000 W	33000 W
Max. apparent AC power	16500 VA	18700 VA	22000 VA	25000 VA	36300 VA
Nominal AC voltage	230/400 V				
AC power frequency / range	50, 60 Hz / - 5 to +5 Hz				
Rated power frequency / rated grid voltage	50 Hz / 400 V				
Max. output current	25 A	28,4 A	31,9 A	39 A	47,8 A
Power factor at rated power	1	1	1	1	1
Adjustable power factor	0.8 overexcited to 0.8 underexcited				
Feed-in phases / connection phases	3L/N/PE				
<b>Efficiency</b>					
Max. Efficiency	98,6 %	98,6 %	98,6 %	98,6 %	98,6 %
European efficiency	98,2 %	98,2 %	98,2 %	98,2 %	98,2 %
MPPT Efficiency	99,9 %	99,9 %	99,9 %	99,9 %	99,9 %
<b>Protection Devices</b>					
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			600 x 400 x 270 mm	
Weight	26 Kgr	29 Kgr	29 Kgr	29 Kgr	47,8 Kgr
Operating temperature range	-30 to 60 °C				
Noise emission, typical	< 25 dB		< 40 dB		
Self-consumption (at night)	< 1 W				
Topology	Transformerless				
Cooling method	Natural convection		Smart Fan Cooling		
Protection degree	IP65				
Max. relative humidity (non-condensing)	100 %				
<b>Features</b>					
DC connection / AC connection	Multicontact / connector				
Display	OLED and leds				
Communications	RS485 / WiFi / GPRS / LAN (Optional)				
Warranty	5 Years Optional, warranty extension up to 20 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				

# SPEDIFICATIONS EQX2-T 50 TO 125 KW

	EQX-33004-T	EQX-40004-T	EQX-50004-T	EQX-100010-T	EQX-125010-T
<b>DC Input</b>					
Max. PV array power	52800 W	64000 W	80000 W	130000 W	162500 W
Max. input voltage	1100 V	1100 V	1100 V	1100 V	1100 V
MPP Voltage range	180 - 1000 V	180 - 1000 V	180 - 1000 V	200 - 950 V	200 - 950 V
Rated input voltage	620 V	620 V	620 V	620 V	750 V
Min. input voltage / initial input voltage	180 / 180 V	180 / 180 V	180 / 180 V	180 / 200 V	180 / 200 V
Max. input current	4 x 26 A	4 x 26 A	4 x 26 A	10 x 26 A	10 x 26 A
Max. short-circuit current per string	4 x 40 A	4 x 40 A	4 x 40 A	10 x 40 A	10 x 40 A
Number of independent MPP inputs / strings per MPP input	4 / 2	4 / 2	4 / 2	10 / 20	10 / 20
<b>AC Output</b>					
Rated power at 230V, 50 Hz	33000 W	40000 W	50000 W	100000 W	125000 W
Max. apparent AC power	36300 W	44000 W	55000 W	110000 W	137500 W
Nominal AC voltage	380 / 400 V			288/500 V	
AC power frequency / range	50, 60 Hz / - 5 to +5 Hz				
Rated power frequency / rated grid voltage	50 Hz / 400 V				
Max. output current	52,6 A	63,8 A	79,7 A	158,8 A	158,8 A
Power factor at rated power	1	1	1	1	1
Adjustable power factor	0.8 overexcited to 0.8 underexcited				
Feed-in phases / connection phases	3L/N/PE				
<b>Efficiency</b>					
Max. Efficiency	98,8 %	98,8 %	98,8 %	98,8 %	98,8 %
European efficiency	98,3 %	98,3 %	98,3 %	98,3 %	98,3 %
MPPT Efficiency	99,9 %	99,9 %	99,9 %	99,9 %	99,9 %
<b>Protection Devices</b>					
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 )	600 x 400 x 270 mm			975 x 680 x 290 mm	
Weight	42 Kgr			79 Kgr	82 Kgr
Operating temperature range	-30 to 60 °C				
Noise emission, typical	< 55 dB				
Self-consumption (at night)	< 1 W				
Topology	Transformerless				
Cooling method	Natural convection				
Protection degree	IP65				
Max. relative humidity (non-condensing)	100 %				
<b>Features</b>					
DC connection / AC connection	Multicontact / connector				
Display	OLED and leds				
Communications	RS485 / WiFi / GPRS / LAN (Optional)				
Warranty	5 Years Optional, warranty extention up to 20 years				
Certificates and approvals	NB/T32004, IEC62109, IEC62116, VDE4105, VDE0126, UTE C15-712-1, AS4777, C10/11, CEIO-21, RD1699, NBR16149, IEC61727, IEC60068, IEC61683, EN50549, EN61000				