

zeroCO₂ - XL 100

Solution:

zeroCO₂ - XL 100 is a plug & play system for managing, converting and exploiting energy in systems with high power requirements.

The size of the storage allows deferred use of all the accumulated energy for several hours.

Integrated EMS to maximize self-consumption and allow peak shaving.

- Compact design for indoor installation 60 kW / 100 kWh;
- All in one LFP Pylontech H32148C batteries;
- Triple section rack, bearing structure in polyester powder coated galvanized sheet;
- Degree of protection IP20;
- DC and AC circuit breakers and magnetic switch included;
- Factory pre-wired electrical panel up to the user side interfaces;
- AC 400V 3Ph +N + PE type power supply for On-Grid systems;
- Suitable for Ex Novo or Retrofit systems;
- Management of diversified, renewable or non-renewable sources (such as generators);
- CEI 0-21, CEI 0-16 certificates of conformity.

Dimensions:

Width: 1200 mm

Height: 1758 mm

Depth: 800 mm



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SAVE YOUR PLANET

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zeroCO₂ - XL 100		60 kW / 100 kWh
Order code		90110750
Dimensions [WxHxD, mm]		1200x1758x800
Weight [kg]		1400
Sound power [dB]		<70
Sound pressure [dB(A)] (*)		56 (*)
PCS technology		Trasformerless
AC PARAMETERS		
Rated / apparent power [kW/kVA]		60 / 66
AC input type		5 wire (3Ph + N + PE)
Number and maximum connection cable section per phase [mmq]		1 x 10/35 (L1, L2, L3, N, PE) screw connection
Voltage range [V]		400 (±10%)
Rated/Max electric current [A]		±89 / 100
Rated frequency [V-Hz]		50/60
Power factor		0,8 ~ 1 (Leading / Lagging)
Current DC component [%]		≤ 0,5
Harmonic content THDi [%]		≤ 3
AC and DC start function		Si
Current switching time [ms]		≤ 10
Conversion efficiency [%]		≥ 97
Standby power consumption [W]		<300
Permissible short-circuit current of short duration [kA]		6
DC PARAMETERS		
Rated power [kW]		60
Voltage range		680 - 1000
Rated / maximum electric current [A]		±72 / ±88
Voltage and current measurement accuracy [%]		±1
Current / Voltage limiting characteristic		Yes
ENERGY STORAGE		
Module efficiency [%]		95
Nominal system voltage [V]		736
System charge/discharge voltage range [V]		680 ~ 828
Nominal / usable capacity [kWh]		109 / 98
Depth of Discharge DOD [%]		90% (8 - 98% SOC)
AMBIENT CONDITIONS		
Working temperature range [°C]		0 ~ 50 (Derating over 45°C)
Working humidity range [RH%]		<95 (without condensation)
Storage temperature range [°C]		-20 ~ +60
Storage humidity range [RH%]		0 ~ 95 (without condensation)
PCS cooling		Forced convection (fan with smart regulation)
Altitude		<3000
COMMUNICATION		
Communication interfaces		RS485, LAN, WAN, CAN, ModBus RTU, TCP/IP
SAFETY		
IP protection rating		IP20
EMC characteristics		2014/35/CE Low Voltage Directive - 2014/30/CE Electromagnetic compatibility
MTBF (Mean expected time between two malfunctions) [h]		100000
Compliance with connection regulations		CEI 0-21, CEI 0-16
Warranty [years]		2
Operational life [years]		15+
Dangerous goods transport certificate		UN38.3 / ADR

(*) Sound pressure level referred to a 2m distance from the device

ACCESSORY	Order Code
Eastron three-phase meter kit with external CT 200A/5A	90900315
Eastron three-phase meter kit without CT	90900305

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