



SOLO inverters Sinewave



Presentation

The aim of the inverters is to convert batteries direct voltage into 230VAC/50Hz alternating current.

The SOLO digital sinewave has reduced the number of components and increased the equipment reliability.

Use :

The SOLO inverters deliver a sinusoidal wave identical to mains supply. Their physical characteristics enable a wide scope of applications : marine, mobile, renewable energy, industry, etc.

- › **Data processing :**
vehicule equipped with computing equipment, on-board computer, automatic systems, etc.
- › **Telecommunications :**
radio communication relay, on-board telephony, radio stations and beacons, radionavigation, etc.
- › **Lighting :**
security lighting, incandescent and fluorescent lighting, etc.
- › **Domestic and industrial equipment :**
domestic appliances, television, portable tools, refrigerators, micro-waves, etc.

Advantages

- › Significant overload capacity for starting surges.
- › High efficiency-Low stand-by consumption.
- › High reliability, limited size and weight.
- › Fuse integrated protection.
- › Battery protection with stop on low voltage.
- › Silence and confort.

Range possibilities

- › **Incoming power :** voltage 12, 24 or 48VDC.
- › **Output :** voltage 230VAC - single phase - 50Hz, power from 200VA to 3500VA.
On request : 115VAC - 50Hz/60Hz or 230VAC - 60Hz.

General specifications

- › **Incoming power :**
voltage 12, 24 or 48VDC (-12 % +30 %),
reduced consumption off load.
- › **Output :**
230VAC single phase +/- 5 %, frequency 50Hz +/- 0,05 %,
sinewave - distortion ≤ 3 %, power factor - inductive
and capacitive, instantaneous power from 1,5 to 3,5
rated power according to model.
- › **Common characteristics :**
galvanic isolation input output ≥ 2 M Ω ,
electric rigidity $2 U+1000$,
conditions for standard functioning :
 - › temperature from - 20 to + 50 °C,
 - › humidity from 0 to 95 % without condensation,
 - › acoustic noise ≤ 45 db.
- › **Physical characteristics :**
features : standart IP 20 metal grey box, IP30 for
models ≤ 800 W. Connection of cables by means of
terminal block through a cable gland, depending on
model.
- › **EC conformity :**
EN 50081 I/II • EN 50014 • EN50022 • EN60950 •
EN50091-2 • IEC 801 II/III/IV • CEI 555.

SOLO inverters

Sinewave

> 2 year
guarantee



STANDARD RANGE

Input : 12, 24 or 48VDC
Output : 230VAC, single phase, 50Hz
Sinusoidal signal - Wall mounted box

Part Number	Input Voltage	Constant Power	Maximum Power	Instantaneous Power (5s)	Efficiency	Dimensions	Weight
SEEL006054B	12V	200VA	275VA (30mn)	450VA	93%	163x142x84 mm	2,4 Kg
SEEL006056B	12V	400VA	500VA (30mn)	1000VA	93%	240x142x84 mm	4,5 Kg
SEEL006072*	12V	800VA	1000VA (30mn)	2200VA	93%	428x142x84 mm	8,5 Kg
SEEL006078	12V	1200VA	1500VA (15mn)	4200VA	95%	391x215x124 mm	13,2 Kg
SEEL006088*	12V	2000VA	2100VA (30mn)	5000VA	92%	399x273x117 mm	19 Kg
SEEL006050B	24V	300VA	350VA (30mn)	650VA	94%	163x142x84 mm	2,6 Kg
SEEL006052B	24V	500VA	600VA (30mn)	1200VA	94%	240x142x84 mm	4,5 Kg
SEEL006074*	24V	1000VA	1300VA (30mn)	2800VA	94%	428x142x84 mm	8,5 Kg
SEEL006080	24V	1200VA	1500VA (15mn)	4200VA	95%	391x215x124 mm	13,2 Kg
SEEL006090*	24V	2000VA	2400VA (30mn)	5200VA	94%	399x273x117 mm	18 Kg
SEEL006092	24V	2300VA	3000VA (15mn)	8000VA	95%	591x215x124 mm	27 Kg
SEEL006822	24V	3300VA	4300VA (15mn)	11000VA	95%	601x215x124 mm	30 Kg
SEEL006954	48V	300VA	400VA (30mn)	1000VA	94%	163x142x84 mm	2,6 Kg
SEEL008368	48V	500VA	700VA (30mn)	1400VA	94%	240x142x84 mm	4,5 Kg
SEEL006082	48V	1200VA	1800VA (15mn)	4200VA	95%	391x215x124 mm	13,2 Kg
SEEL006094	48V	2300VA	3400VA (15mn)	8000VA	95%	591x215x124 mm	27 Kg
SEEL006096	48V	3500VA	4300VA (15mn)	12000VA	95%	601x215x124 mm	38 Kg

*Possible option : ON/OFF remote control box including 5m cable, part number : SEEL007130

Variant : 115VAC/60Hz or 230VAC/60Hz on request

Minimum required battery capacity : C.AH > 5 x Constant power (VA) / Input voltage (V)

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