

Sinewave inverters

SOLO



Pure sinewave



Significant
overload



High
efficiency



High
reliability



Battery protection
on stop

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.

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.
- Silent and comfort.

RANGE POSSIBILITIES

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

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.

GENERAL SPECIFICATIONS

• Incoming power :

voltage 12, 24 or 48VDC (-12 % +30 %), reduced consumption off load.

• Output :

230VA C 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 • EN50091-2
 EN 60950 • IEC 801 II/III/IV • CEI 555.

**STANDARD RANGE**

Input : 12, 24 or 48VDC
 Output : 230VA C, 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 |
| 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 |
| 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% | 636x215x124 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% | 636x215x124 mm | 27 Kg |
| SEEL006096 | 48V | 3500VA | 4300VA (15mn) | 12000VA | 95% | 791x215x124 mm | 38 Kg |

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

Variant : 115VA C/60Hz or 230VA C/60Hz on request.

Minimum required battery capacity = C.Ah > 5 x Inverter constant power (VA) / Inverter input voltage (V).