

SINEWAVE INVERTERS – DC/AC CONVERTERS

ONS RANGE

INPUT 12, 24 AND 48V



The inverters of the ONS range convert battery DC voltage into 230V/50 Hz AC current. The ONS digital sine wave technology reduces the number of components necessary and increases the equipments' reliability

The ONS inverters deliver a sinusoidal wave identical to the mains supply and are suited to a wide range of industrial and marine applications

Applications: On-board computer, on-board communication, radio stations and beacons, security lighting, industrial equipment



STANDARD RANGE

DESCRIPTION	ITEM CODE	RATED POWER	MAXIMUM POWER	POWER 5 SEC	MAX EFFICIENCY	TYPE OF CASE	WEIGHT
INPUT VOLTAGE 12 VDC							
ONS 12/200	SEEL006053B	200VA	275VA-30mn	450VA	93 %	CF01	2,4 kg
ONS 12/400	SEEL006055B	400VA	500VA-30mn	1000VA	93 %	CF02	4,5 kg
ONS 12/800	SEEL006071	800VA	1000VA-30mn	2200VA	93 %	CF03	8,5 kg
ONS 12/2000	SEEL006087	2000VA	2100VA-30mn	5000VA	92 %	CF05	19 kg
INPUT VOLTAGE 24 VDC							
ONS 24/300	SEEL006049B	300VA	350VA-30mn	650VA	94%	CF01	2,6 kg
ONS 24/500	SEEL006051B	500VA	600VA-30mn	1200VA	94 %	CF02	4,5 kg
ONS 24/1000	SEEL006073	1000VA	1300VA-30mn	2800VA	94 %	CF03	8,5 kg
ONS 24/2000	SEEL006089	2000VA	2400VA-30mn	5200VA	94 %	CF05	18 kg
ONS 24/2300	SEEL006091	2300VA	3000VA-15mn	8000VA	95 %	CF06	27 kg
ONS 24/3300	SEEL006821	3300VA	4300VA-15mn	11000VA	95 %	CF07	30 kg
INPUT VOLTAGE 48 VDC							
ONS 48/300	SEEL006951	300VA	400VA-30mn	1000VA	94 %	CF01	2,6 kg
ONS 48/500	SEEL006953	500VA	700VA-30mn	1400VA	94 %	CF02	4,5 kg
ONS 48/1200	SEEL006081	1200VA	1800VA-15mn	4200VA	93 %	CF04	13,2 kg
ONS 48/2300	SEEL006093	2300VA	3400VA-15mn	8000VA	95 %	CF06	27 kg
ONS 48/3500	SEEL006095	3500VA	4300VA-15mn	12000VA	95 %	CF08	38 kg

ONS – MAIN TECHNICAL SPECIFICATION

INPUT

- Voltage: 12Vdc, 24Vdc or 48Vdc
- Tolerance : -12% à +30%
- Reduced consumption no-load
- Minimum battery capacity (Ah) advised:
5x (Rated power (W)/Input voltage (V)).

OUTPUT

- 230 Vac $\pm$ 5% single phase
- Frequency: 50Hz $\pm$ 0,05 %
- Sinewave
- Distortion < 5%
- Continuous Cos max: 0.1-1
- Rated power from 200VA to 3500VA according to model.
- Instantaneous and maximum power: See table
- Galvanic insulation input/output >2M Ω
- Status LEDS

PROTECTION

- Fuses on input
- Overload and overheating
- Short-circuit and polarity reversal
- Battery protection with stop on low voltage

PRESENTATION

- Metal case – wall mounted
- Input/Output cables supplied
- Polyester finish light grey and blue
- Acoustic noise <45dB
- Resistant to marine atmosphere

CLIMATIC SPECIFICATIONS

- Operating temperature: -20 to 50°C
- Storage temperature: -20 to 70°C
- Humidity: from 0 to 95 % without condensation
- Protection factor: IP30 for P<800VA and IP 20 for P>1200VA

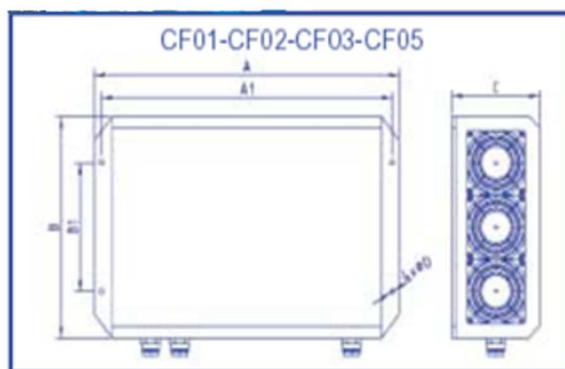
STANDARDS

- EN 50081-1, EN50081-2, EN 55014
- EN 50022, EN60950
- IEC 801-2, IEC 801-3, IEC 801-4
- CEI 555.
- EC Marketing

OPTIONS

- 115V 60Hz output

MECHANICALS CHARACTERISTICS



Type of case	Dimensions (mm)			Centres distance (mm)		Fixing holes (mm) Ø
	A	B	C	A1	B1	
CF0 1	173	142	84	163	89	4,2
CF0 2	250	142	84	240	89	4,2
CF0 3	438	142	84	428	89	4,2
CF0 4	215	391	124	200	335	5,2
CF0 5	415	273	117	399	160	8
CF0 6	215	591	124	200	535	5,2
CF0 7	215	636	124	200	580	5,2
CF0 8	215	791	124	200	735	5,2

