

Sinewave inverters – DC/AC Converters

Input 12, 24 and 48V

ONS Range

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.

■ Data processing:

- Computing systems on board vehicles,
- Navigation systems,
- Automatic systems.

■ Telecommunications :

- Radio communication relays
- On board communication
- Radio stations and beacons
- Radio navigation



■ 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	8,5kg
ONS 12/1200	SEEL006077	1200VA	1500VA-15mn	4200VA	93 %	CF04	13,2 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

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■ Main technical specification

■ Advantages:

- Overload capacity for starting surge
- High efficiency – low stand – by consumption
- High reliability, limited size and weigh.
- Fuse integrated protection.
- Battery protection with stop on low voltage

■ Incoming power:

- 12 Vdc, 24 Vdc or 48 Vdc according to model
- Tolerance: -12% to +30%
- Reduced consumption offload.
- 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
- Status LEDES.

■ Protection :

- Fuses on input.
- Overload and overheating.
- Short-circuit and polarity reversal (depending on model).
- Protection factor: IP30 for P<800VA and IP 20 for P>1200VA.

■ Presentation :

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

■ Climatic specifications :

- Operating temperature: -20 to 50°C.
- Storage temperature: -20 to 70°C.
- Humidity: from 0 to 95 % without condensation.

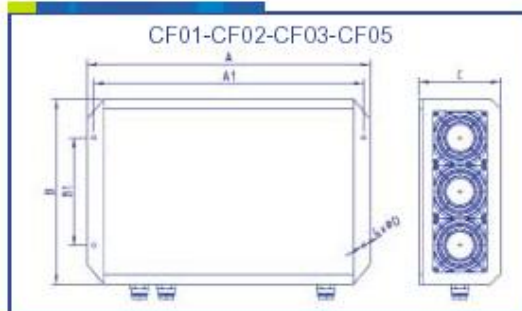
■ Standards :

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

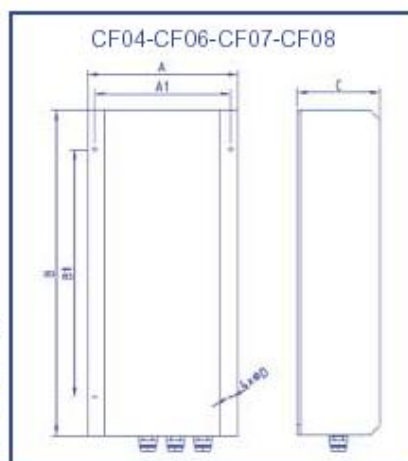
■ Options :

- 115V 60Hz output

■ Mechanical 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



FC-ONS1-EN-E

The information contained in this leaflet is not of a contractual nature. ENAG reserves the right to amend the technical details of its products without advance notice. Please consult us before installing the units.

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