

Modular DC/AC Inverters ONS-M Input 48Vd and 110Vdc – Output 230Vac

The range of ONS-M inverters 48Vdc/230Vac or 110Vdc/230Vac is the best solution to secure your AC applications. The output power is configurable from 2.5kVA to 80kVA.

Its modular design increases the availability rate of your secure power supply.

The advantages of ONS-M :

- Compact :
Redundancy is obtained at the inverter module (redundancy n+1)
- Economic level compared to a parallel connected inverters solution
- Material scalable material in function of the payload
- DC and AC dual input with seamless switching
- Static by-pass without interruption integrated in each module
- Exchange of module without stopping operation (MTTR reduction)
- Reduced maintenance kit standardized for several inverters



Available options :

- Manual bypass
- Human Machine Interface (HMI) with LCD display
- TCP/IP communication

Technical specification

General	
Description	Modular inverter ONS-M
Electrical characteristics	
DC input characteristics	
Voltage :	48Vdc (min. 40V - max. 60V) / 110Vdc (min. 90V - max. 160V)
AC input characteristics	
Voltage :	230Vac single-phase (min. 150V - max. 265V) Other voltage on request (option)
Frequency	50 / 60 Hz
Power factor :	99%
Output characteristics	
Voltage :	230Vac (min. 200V - max. 240V) $\pm 2\%$
Frequency :	50 / 60Hz $\pm 0.03\%$
Power Range:	2500VA to 80000VA
For one module: Nominal Output Power (VA) / with resistive load (W)	2500VA / 2000W
Power factor :	From 0 inductive to 0 capacitive
Distortion rate on resistive loads (THD) :	<1.5%
Operation mode	
Primary source	AC or DC input (programmable)
Main options	
By pass :	manual
LCD display :	Voltage, current, frequency and power measuring
Communication :	Modbus connection – TCP/IP
Others :	please contact us
Environmental and mechanical characteristics	
Storage temperature :	- 40°C to +70°C
Working temperature :	- 20°C to +50°C
Relative humidity in operation :	95%
Cabinet dimensions (wxhxd) in mm :	1300 or 1700 x 600 x 600
Protection indice :	IP 21 (others in option)
Cabinet coating :	RAL 7035 – light grey (Other colours on request)
Reference standards and certification	
Standards :	IEC 60950, EN55022 (class B), EN61000-4
Certification :	CE / ROHS

FC-ONS-M-EN-B

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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