

MODULAR INVERTER

ONS-M RANGE

INPUT 48VDC & 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.

ADVANTAGES

- 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

REF PRODUCT – MAIN TECHNICAL SPECIFICATION

DC INPUT

- Voltage 48Vcc (min. 40V - max. 60V)
110Vcc (min. 90V - max. 160V)

AC INPUT

- Voltage 230Vca mono (min. 150V - max. 265V)
Autre tension sur demande
- Frequency 50 / 60 Hz
- Power factor 99 %

OUTPUT

- Voltage 230V (min. 200V - max. 240V) $\pm 2\%$
- Frequency 50 / 60Hz $\pm 0.03\%$
- Power range 2.500 VA à 80.000 VA
- For one module: Nominal Output Power (VA) /
with resistive load (W) 2.500 VA / 2.000 W
- Power factor 0 inductif à 0 capacitif
- Distortion rate on resistive loads (THD): $< 1,5\%$

OPERATING MODE

- Primary source
AC or DC input (programmable)

CLIMATIC CONDITIONS

- Storage temperature: - 40°C to +70°C
- Working temperature: - 20°C to +50°C
- Relative humidity in operation: 95%

MECHANICAL CHARACTERISTICS

- Cabinet dimensions (W x H x D) in mm:
1300 ou 1700 x 600 x 600
- Protection indice: IP 21 (others in option)
- Cabinet coating : RAL 7035 – light grey
(Other colours on request)

MAIN OPTIONS

- By pass: manual
- LCD display: voltage, current, frequency and
power measuring
- Communication: Modbus connection – TCP/IP
- Others : please contact us

STANDARDS AND CERTIFICATIONS

- Standards: IEC 60950
EN55022 (classe B)
EN61000-4
- Certification: CE / ROHS