



General features

- High efficiency
- Full Digital Signal Processing control
- Outstanding response time
- Input / Output Radio Frequency Interference compliant to FCC
- Complete supervision possibility
- Parallel operation in True Redundant System
- Large DC input voltage range
- Patented technology

This new family of design-improved modular inverters can be supplied from any DC source in voltage range from 40 up to 80 Vdc, providing pure sine wave output.

Several inverters can be connected in parallel to achieve the requested total power, including redundancy for best availability. Thanks to the full DSP control, true redundancy is achieved, while all informations are available both locally and remotely with SYS3000 controller and PSM2000 software.

The high frequency conversion and the topology used allow to reach very high efficiency in a compact and user-friendly design. The environmentally friendly range complies with International, European and general Telecoms standards.

The smart AC solution



Output 120 Vac

1. Input specifications

Operating voltage range 40 up to 80 Vdc

Maximum Input current < 83 A

2. Output specifications

Nominal output voltage 120V, adjustable 108...125Vac

Output voltage tolerance $\pm 3\%$ of adjusted nominal voltage

Output voltage frequency 50Hz or 60 Hz, selectable

Total harmonic distortion $\leq 3\%$ (on linear load at nominal power)

Total transient recovery time $\leq 0,3$ msec (typical)

Turn-on delay < 3 sec.

Nominal value of output current 29,1 A

Crest factor at nominal power 3

3. Output power

Nominal value 3000W / 3500VA

Overload (+/- 15%, 5 sec. Max, Self-protected) 6000 VA

Permanent overload 110 %

Power factor influence Full power output (3500VA) with Pf from 0 to 0,86
Limited to 3000W with Pf from 0,86 to 1

4. Electro-magnetic compatibility

Standards applied for immunity EN 61000 – 4-2 / 4-3 / 4-4 / 4-5 / 4-6

Standards applied for emission ETS300-132-2 CISPR 22 ClassB

5. Efficiency (Nominal power in Watts) > 89 %

6. Temperature

Storage temperature - 40°C to 80°C

Permissible ambient temperature -20°C to 50°C

7. Safety

EN60950 / UL1950

8. Protections

Internal electronic + Relays + Fuses

9. Dielectric strength

4300VDC Input / Output 4300VDC Output / Earth
2000VDC Input/Earth

10. Cooling

Forced

11. Dimensions (W x D x H, mm)

436 x 440 x 2U

12. Weight (Kgs, approximately)

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Specifications can change without notice,
new datas will be updated on Web site : www.cet.be

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