



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 230 Vac

1. Input specifications

Operating voltage range	40 up to 80 Vdc
Maximum Input current	< 88 A

2. Output specifications

Nominal output voltage	230V, adjustable 208...240Vac
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	17,4 A
Crest factor at nominal power	3

3. Output power

Nominal value	3500W / 4000VA
Overload (+/- 15%, 5 sec. Max, Self-protected)	6000 VA
Permanent overload	110 %
Power factor influence	Full power output (4000VA) with Pf from 0 to 0,87 Limited to 3500W with Pf from 0,87 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)

15

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

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