



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

RDI 1000VA - 48VDC

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	120 Vac	230 Vac
1. Input specifications		
Operating voltage range	40 up to 80 Vdc	
Maximum Input current	< 28.5 A	< 27.7 A
2. Output specifications		
Nominal output voltage	120V, adjustable 108...125Vac	230V, adjustable 200...240Vac
Output voltage tolerance	± 3 % of adjusted nominal voltage	
Output voltage frequency	50Hz or 60 Hz, selectable	
Total harmonic distortion	≤ 3 % (on linear load at nominal power)	
Total transient recovery time	≤ 0,3 msec (typical)	
Turn-on delay	< 3 sec.	
Nominal value of output current	8.33 A	4.35 A
Crest factor at nominal power	3	
3. Output power		
Nominal value	1000 VA	1000 VA
Overload (+/- 15%, 5 sec. Max, Self-protected)	2000 VA	2000 VA
Permanent overload	120 %	120 %
Power factor, for 100% power	0 inductive to 0 capacitive Full 4 quadrants operation	
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		
	88 %	90 %
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		
	4000VDC Input / Output	4000VDC Output / Earth 2000VDC Input/Earth
10. Cooling		
	Natural	
11. Dimensions (W x D x H, mm)		
	438 x 330 x 2U	
12. Weight (Kgs, approximately)		
	8,5	

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

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