



## 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 19 up to 32 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 2200W / 3000VA - 24VDC



	120 Vac	230 Vac
<b>1. Input specifications</b>		
Operating voltage range	19 up to 32 Vdc	
Maximum Input current	< 130 A	< 130 A
<b>2. Output specifications</b>		
Nominal output voltage	120V, adjustable 108...125Vac	230V, adjustable 200...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	18 A	10 A
Crest factor at nominal power	3	
<b>3. Output power</b>		
Nominal value	2200W / 3000 VA	2200W / 3000 VA
Overload (+/- 15%, 5 sec. Max, Self-protected)	6000 VA	6000 VA
Power factor influence	3000VA with Power factor of 0,73 2200VA with Power factor of 1,00	
<b>4. Electro-magnetic compatibility</b>		
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	
<b>5. Efficiency</b>	87 %	89 %
<b>6. Temperature</b>		
Storage temperature	- 40°C to 80°C	
Permissible ambient temperature	-20°C to 50°C	
<b>7. Safety</b>	EN60950 / UL1950	
<b>8. Protections</b>	Internal electronic + Relays + Output fuse	
<b>9. Dielectric strength</b>	4000VDC Input / Output	4000VDC Output / Earth 2000VDC Input/Earth
<b>10. Cooling</b>	Forced	
<b>11. Dimensions (W x D x H, mm)</b>	438 x 348 x 2U	
<b>12. Weight (Kgs, approximately)</b>	15	

Specifications can change without notice,  
new datas will be updated on Web site : [www.cet.be](http://www.cet.be)

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CE+T S.A.

Rue du Charbonnage 18  
Belgium - 4020 WANDRE

Tél : +32 (0)4 345 67 00  
Fax : +32 (0)4 345 67 01

<http://www.cet.be>