



## General features

- High efficiency
- Full Digital Signal Processing control
- Outstanding response time
- Input / Output Radio Frequency Interference compliant to FCC
- Hot swappable unit
- By-pass integrated in the cradle
- 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 88 up to 160 Vdc, providing pure sine wave output.

The cradle includes all AC & DC distribution terminal and automatic by-pass relay which allows to hot swap the inverter without disturbing the AC output. On-line and Off-line mode are both available and can be configured live.

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 Industry standards.



*The smart AC solution*

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## 1250 VA

## 3000 VA

### 1. Input specifications

Operating voltage range	88 up to 160 Vdc	
Maximum Input current	< 16A	< 37 A

### 2. Output specifications

Nominal output voltage	230V, adjustable 208...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	5,4 A	13 A
Crest factor at nominal power	3	

### 3. Output power

Nominal value	1250 VA	3000 VA
Overload (+/- 15%, 5 sec. Max, Self-protected)	2000 VA	6000 VA
Permanent overload	105 %	120 %
Power factor, for 100% power	0 inductive to 0 capacitive Full 4 quadrants operation	

### 4. Relay commuting time

Typical 5ms (Max. 10ms)

### 5. 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

6. Efficiency	87 %	88 %
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### 7. Temperature

Storage temperature	- 40°C to 80°C
Permissible ambient temperature	-20°C to 50°C

8. Safety	EN60950 / UL1950
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9. Protections	Internal electronic + Relays + Fuses
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10. Dielectric strength	4000VDC Input / Output	4000VDC Output / Earth
	2000VDC Input/Earth	

11. Cooling	Forced
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12. Cradle dimensions (W x D x H, mm)	450 x 510 x 2U
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Specifications can change without notice,  
new datas will be updated on Web site : [www.cet.be](http://www.cet.be)

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