

# STI/G2 1000VA - 48/60VDC



## General features

- Light and compact modules
- High efficiency, high MTBF
- Smart overload features
- Intelligent protection level and Temperature management
- Large DC input voltage range
- Front panel connections for all interfaces and power cables
- Display of output power
- Patented technology

The STI/G2 inverter module is an up-to-date high efficiency, high frequency switch-mode DC/AC converter, especially developed for AC needs in Telecoms.

The STI/G2 offers output characteristics with full sinusoid, stable output voltage in static or dynamic conditions. A smart digital control technique allows very fast response time to any load variation, as well as good overload capabilities.

The wide input voltage range (from 40 up to 80 Vdc) allows to use this inverter with any Telecoms application using 48/60 Vdc input.

The environmental friendly design of this range complies with European and International Telecoms standards.

## The smart AC solution

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	120 Vac	230 Vac
<b>1. Input specifications</b>		
Operating voltage range	40 up to 80 Vdc	
Maximum Input current	< 28 A	< 28 A
<b>2. Output specifications</b>		
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	8.3 A	4.4 A
Crest factor at nominal power	3	
<b>3. Output power</b>		
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	
<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>		
	88 %	90 %
<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 (120 Vac) / TNV-2	
<b>8. Protections</b>		
	Internal electronic + Relays + Fuses	
<b>9. Dielectric strength</b>		
	4000VDC Input / Output	4000VDC Output / Earth 2000VDC Input/Earth
<b>10. Cooling</b>		
	Natural	
<b>11. Dimensions (W x D x H, mm)</b>		
	436 x 340 x 2U	
<b>12. Weight (Kgs, approximately)</b>		
	8	

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

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