



» A revolution in power

# TSI MEDIA 48/120 inverter platform

## Triple port inverter without single point of failure

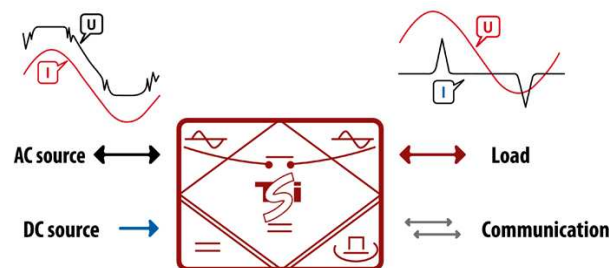


Parallelable, rack-mounted inverter systems provide a pure AC sine wave output at 120V or 240Vac, 60 or 50Hz, with a THD <3% for any kind of load. Utilizing 48Vdc input, these high density systems range from 1500VA to 6000VA and are mountable in either a 19in open relay rack or conventional box bays.

The TSI sets the standard for True Redundant Systems:

- Hot Swappable means of disconnect
- Distributed Static Transfer Switch (STS) function – removes system **Single Point of Failure**
- Parallelable for redundancy and increased reliability
- Automatic load sharing when paralleled
- System sound handling of internal or load generated short circuits

Unlike traditional inverters, the TSI features an AC-AC conversion that double filters and isolates the AC input. When operated in this "Enhanced Power Conversion" (EPC) mode, your overall efficiency is increased to 94% without compromise to the quality and stability of the output wave form. Unlike hard transfers between energy input sources the TSI "soft-switching" method is disturbance free. The TSI delivers pure power to your critical load despite normal disturbances such as harmonics, surges, glitches, voltage fluctuations, etc.. Pure sinusoidal output current delivered even in non-linear load conditions.



Pure sine wave at the output and ideal power factor at the input without drawing any energy from your DC supply source

Your future power demands are likely to be unknown and unpredictable. You get TOTAL MODULARITY with the TSI since there is no need to size a single static switch for the future power demand of the system. With the TSI you can configure your system as you gradually increase its capacity in line with your increasing load demands. No need to oversize or overspend on your initial purchase.

Compact in size, these inverters enable you to deliver maximum power in limited space. Its massive power density provides up to 3000VA in a 2U package or 6000VA in a 4U. This package includes the space savings of built-in STS function, DC and AC distribution and output PDU. These modules can be configured with standard Nema or Twist Lock receptacles allowing for simple application and installation of the TSI-MEDIA platform systems without any need for additional hardware.

These inverters can be mounted in 19-inch open relay racks or box bays.

MEDIA packages are compatible with standard TSI monitoring devices.

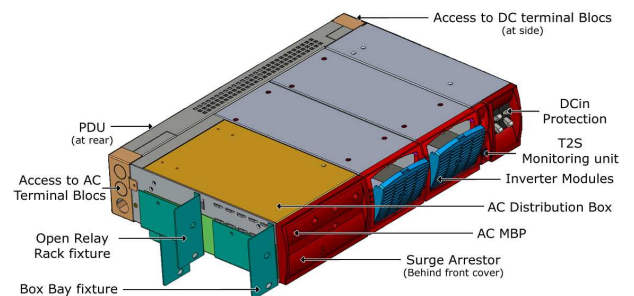


Fig: TSI-MEDIA platform 3000VA

Specifications can change without notice. New data will be updated on our Web site:

<http://www.cetamerica.com/> or <http://www.cet.be/>

The present equipment is protected by several international patents, trademarks and copyrights.

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ISO 9001  
I certified I



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TSI MEDIA 48/120

Technical features

Version 06

GENERAL

Table with 2 columns: Feature and Specification. Includes EMC (immunity/emission), Safety, Cooling, MTBF, Efficiency (MAX), Dielectric strength, True Redundant Systems, Connection I/O, and Self adaptive to wide operating conditions.

AC OUTPUT POWER

Table with 2 columns: Feature and Specification. Includes Nominal Output power, Output power (resistive load), Short time overload capacity, Permanent overload capacity, Load power factor, and Internal temperature management.

DC INPUT SPECIFICATIONS

Table with 2 columns: Feature and Specification. Includes Nominal voltage (DC), Voltage range (DC), Nominal current, Maximum input current, Voltage ripple, and Input voltage boundaries.

AC INPUT SPECIFICATIONS

Table with 2 columns: Feature and Specification. Includes Nominal voltage (AC), Voltage range (AC), Conformity range, Power Factor, Frequency range, and Synchronization range.

AC OUTPUT SPECIFICATIONS

Table with 2 columns: Feature and Specification. Includes Nominal voltage (AC), Voltage range (AC), Voltage accuracy, Frequency, Frequency accuracy, Total harmonic distortion, Load impact recovery time, Turn on delay, Nominal current, Crest factor, Short circuit clear up capacity, and With magnitude control.

TRANSFER PERFORMANCE

Table with 2 columns: Feature and Specification. Includes Total transient voltage duration (transient free) 0 s.

ENVIRONMENT

Table with 2 columns: Feature and Specification. Includes Altitude above sea, Ambient temperature, Storage temperature, and Relative humidity.

SIGNALING & SUPERVISION

Table with 2 columns: Feature and Specification. Includes Display, Alarms output, Supervision, and Comprehensive table of troubleshooting codes.

WEIGHT & DIMENSIONS

Table with 2 columns: Feature and Specification. Includes Width, Depth, Height, Weight, and Material (casing).

(\*) Operation within lower voltage networks leads to derating of power performances
(\*\*) "n" stands for Number of Modules in parallel

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