

Model: CSI 3K-6E-3U7/19-T7396
COSD: XXXX
Summary description: 3000VA Industrial Quality Sine Wave Inverter
 220Vdc to 220Vac/50Hz
Customer Name: Thiele KG/ Germany (KS)
Customer Part Number: Same As above




Product description:

This rugged, industrial quality DC/AC inverter system uses field proven, microprocessor controlled high frequency PWM technology to generate the required output power with pure sine wave output voltage. The inverter is built with internal power modules. Four CAC 1000 DC/DC modules convert the input voltage to an internal DC bus voltage, which feeds two MSI 2300 output modules. The built-in fans provide sufficient airflow for operation without de-rating to the specified temperature. The high frequency conversion enables a compact construction, low weight and high efficiency. The unit has full electronic protection. The input and output are filtered for low noise. The use of components with established reliability results in high MTBF. The unit is manufactured at our plant under strict quality control.

Special Features: 187-260Vdc input range. Conformal coating, 19" rackmount

SPECIFICATIONS

<p>Input Voltage 220Vdc nominal 187-260Vdc operating range Input Current: 19A max</p> <p>Input Protection Inrush current limiting Internal safety fuses Reverse polarity protection Lower input voltage than the specified minimum will not damage the unit</p> <p>Isolation 2250Vdc input to chassis 3000Vdc output to chassis Output neutral is connected to the chassis internally</p> <p>Standards Designed to meet C22.2 No. 107.1 – 01, UL 458 and EN 60950-1</p> <p>EMI EN55032 Class A with margins</p> <hr/> <p>Output Voltage 220Vac/13.6Arms/50Hz Output neutral is internally connected to chassis</p> <p>Output Wave Form Sinusoidal</p> <p>Total Harmonic Distortion Less than 5% at full load</p>	<p>Line/Load Regulation ± 6% from no load to full load</p> <p>Load Crest Factor 2 at 90% load</p> <p>Output Noise High frequency ripple is better than 500mVrms (20MHz BW)</p> <p>Output Overload Protection Current limiting with short circuit protection Thermal shutdown with automatic recovery in case of continuous overload or insufficient airflow.</p> <p>Output Overvoltage Protection By internal supply voltage limiting at 270Vac on output</p> <p>Efficiency 80% at full load</p> <p>Operating Temperature Range 0°C to +50°C coldplate temperature for full specification</p> <p>Temperature Drift 0.05% per °C over operating temperature range</p> <p>Cooling By built-in high quality fans</p>	<p>Environmental Protection Basic ruggedizing Conformal coating</p> <p>Shock/Vibration IEC 61373 Cat 1 A&B</p> <p>Humidity 5 – 95% non-condensing</p> <p>Indicators None</p> <p>Alarm Output Not installed</p> <p>Package/Dimensions (WxHxL) 3U7: 432 x 132 x 407mm (17" x 5.2" x 16") 19" rackmount</p> <p>Weight Approx. 12kg (26 lbs)</p> <p>Connections Input: Terminal block Phoenix Front Output: Terminal block</p> <p>RoHS Compliance Compliant</p> <p>Warranty Twelve months subject to application within good engineering practice. Contamination related failures and shipping costs excluded.</p>
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