

## TELECOM QUALITY 30VA PURE SINE-WAVE INVERTER PLUG-IN OR STAND ALONE SPI 30 SERIES



- Input is filtered to EN 55022 Class B (typical)
- Compact size
- Sinusoidal wave shape
- 30VA of output power
- Full electronic protection
- Field-proven design topology
- Plug-in or stand-alone package

The SPI 30 Series low-power, low-cost DC/AC inverter uses established design techniques to ensure high reliability. The switching circuit for the input voltage is microprocessor controlled; the toroidal transformer boosts voltage to the required level and also provides the isolation required for the floating output. This unit has a feedback circuit to ensure excellent output regulation.

### SPECIFICATIONS

<p><b>Input Voltage</b> 12V, 24V, 36V, 48VDC +/-20% are standard Consult Snaptec for other inputs</p> <p><b>Input Protection</b> Thermal fuse</p> <p><b>Standards</b> Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN60950</p> <p><b>EMI</b> EN 55022 Class B (typical)</p>	<p><b>Output Voltage</b> 115VAC/0.26A continuous</p> <p>50, 60 or 400Hz with grounded neutral. Isolated floating output optional. Consult Snaptec for other output requirements.</p> <p><b>Line Regulation</b> ± 0.5% max.</p> <p><b>Load Regulation</b> Maximum ± 2% from no load to full load.</p> <p><b>Wave Form:</b> Sinusoidal</p> <p><b>Total Harmonic Distortion</b> Less than 5% at full load</p>	<p><b>Output Protection</b> Current limiting with short circuit protection</p> <p><b>Efficiency</b> Min 78% at full load</p> <p><b>Load Crest Factor</b> Maximum 3.0 at 90% load</p> <p><b>Operating Temperature Range</b> 0° C to +50° C -40 TO +65° C also available</p> <p><b>Temperature Drift</b> 0.05% per ° C over operating temperature range</p>	<p><b>Humidity</b> 5 - 95% non-condensing</p> <p><b>Dimensions</b> Plug-in: 3U x 160mm x 10HP (2") Stand alone: 4.4" x 7.8" x 2"</p> <p><b>Connections</b> Plug-in module: H15 Stand-alone: screw-type terminal block for input and output. Consult Snaptec for other connectors.</p> <p><b>Weight</b> 1.8lb (0.8kg)</p>
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