

# INVERTER 2500va

## TRUE SINE-WAVE



## PRODUCT OVERVIEW

- Designed for continuous duty rail transportation service – 74 Vdc input
- Designed for high in rush loads, Air Conditioners , Microwaves etc..
- Designed for mobile and industrial applications, meets IEC60571 standard.
- Efficiency greater than 85%
- Hybrid cooling permits extended operating temperature range and extended component life.
- Self-protected for overloads, shorts, over temperature, input over and under voltage, reverse polarity, surge suppression.
- Incorporates output filtering for extremely low EMI emissions. Is completely isolated input to output.

**SYNCHRONISATION AVAILABLE FOR MORE POWER OUTPUT**

# INVERTER 2500va

PIN 1020070000

<b>Input</b>	
<b>Voltage</b>	74 Vdc nominal , 64 to 89 Vdc
<b>Current</b>	40 Amperes @74 Vdc and 2500 VA load

<b>Output</b>	
<b>Voltage</b>	117 Vac $\pm 5\%$ over full operating range
<b>Power</b>	2500 Va nominal , 2550 Va (max)
<b>Current Limit</b>	23 Amperes rms
<b>Load Regulation</b>	5% from no load to max load
<b>Waveform</b>	Sinusoidal (THD $< 5\%$ )
<b>Frequency</b>	60 Hz $\pm 1$ Hz
<b>Load Power Factor</b>	0.7 lead to 0.7 lag
<b>Efficiency</b>	$\geq 85\%$ at nominal load

<b>Indicators</b>	
<b>DC input</b>	On when voltage present and within operating range Flashing when voltage present and over or under range.
<b>AC output</b>	ON when available Flashing when not available due to over temperature. OFF when overcurrent
<b>Fault Indicator</b>	ON when input fuse is open

<b>Protection</b>	
<b>Over-current</b>	Cut-off after 2 seconds, automatic reset after 30 seconds
<b>Input Overvoltage</b>	Shutdown above 90 Vdc
<b>Input Undervoltage</b>	Shutdown at 61 Vdc. Restart at 64 Vdc
<b>Overload</b>	Output thermally protected
<b>Input Reverse Polarity</b>	Protected
<b>Input Protection</b>	Fuse, surge suppression and filter.
<b>Isolation</b>	Transformer, floating output

<b>Environment</b>	
<b>Operating Temp.</b>	-40°F to 160°F (-40°C to 71°C)
<b>Storage Temp.</b>	-40°F to 185°F (-40°C to 85°C)
<b>Dimension</b>	14.25" H 10" L 9.5" D
<b>Weight</b>	48 Lbs (21.77 kg)

[www.ekyrail.com](http://www.ekyrail.com)

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