

<b>Ekyrail Enterprises inc.</b>			
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Sujet :		<b>Inverter 3000va</b>	

# Inverter 3000va

True Sine-wave

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.



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**Specification:**

**Input**

Voltage 74 Vdc nominal , 64 to 89 Vdc  
Current 46 Amperes @74 Vdc and 3000 VA load

**Output**

Voltage 117 Vac ±5% over full operating range  
Power 3000 Va nominal , 3100 Va (max)  
Current limit 27 Amperes rms  
Load regulation 5% from no load to max load  
Waveform Sinusoidal (THD <5%)  
Frequency 60 Hz ±1 Hz  
Load power factor 0.7 lead to 0.7 lag  
Efficiency ≥85% at nominal load

**Indicators**

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

**Protection**

Over-current Cut-off after 2 seconds, automatic reset after 30 seconds  
Input overvoltage Shutdown above 90 Vdc  
Input undervoltage Shutdown at 64 Vdc  
Restart at 69 Vdc  
Overload Output thermally protected  
Input reverse polarity Protected  
Input protection Fuse, surge suppression and filter.  
Isolation Transformer, floating output

**Environment**

Operating temp. -40°F to 160°F (-40°C to 71°C)  
Storage temp. -40°F to 185°F (-40°C to 85°C)  
Output power derating 25va/°C from 40°C to 71°C (104°F to 160°F)  
Dimension 14.25''H 10'' L 9.5 '' D  
Weight 48 Lbs (21.77 kg)



