

<b>Ekyrail Enterprises inc.</b>			
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Sujet :		<b>Inverter 2500va</b>	

# Inverter 2500va

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%

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.**



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**Specification:**

**Input**

Voltage 74 Vdc nominal , 64 to 89 Vdc  
 Current 40 Amperes @74 Vdc and 2500 VA load

**Output**

Voltage 117 Vac  $\pm$ 5% at full operating range (2500va)  
 Power 2500 Va nominal , 2550 Va (max)  
 Current limit 23 Amperes rms  
 Line regulation 5% from no load to max load (64 to 89vdc)  
 Waveform Sinusoidal (THD <5%)  
 Frequency 60 Hz  $\pm$ 1 Hz  
 Load power factor 0.7 lead to 0.7 lag  
 Efficiency  $\geq$ 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

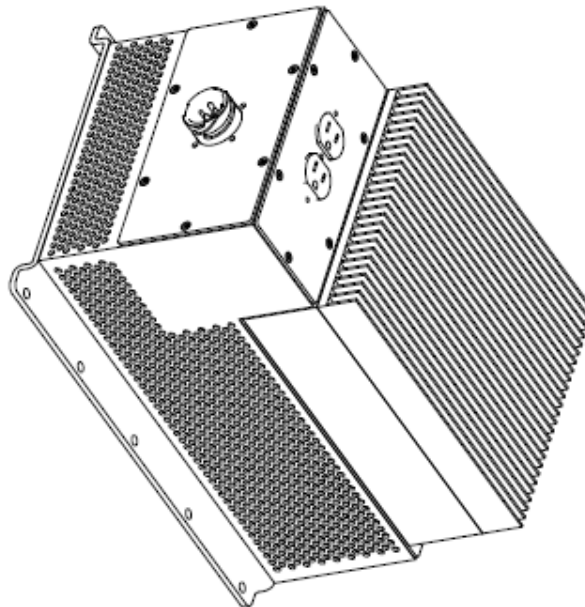
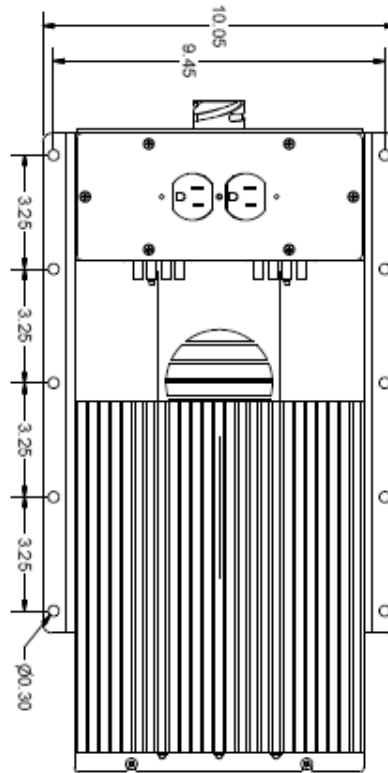
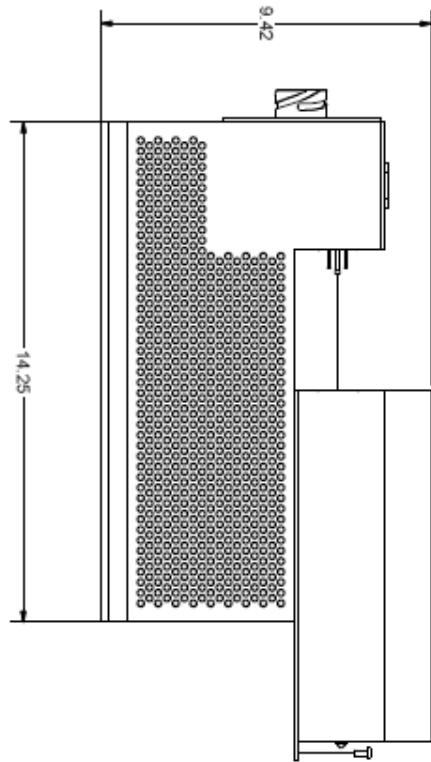
**Protection**

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)





EKRAIL ENT. INC.	
TITRE/TITLE	
INVERTER	
2.5Kva	
DESIGNÉ/VAN TAILLON	DESIGN#:
VERITE	1020070000
APPROUVE	FORMAT/DIMENSION
EG-415E	17/11 1
	PAGE: 1 DE 1

LTR	DESCRIPTION	REVISION	#ECO	DATE	APP.
-	PREMIERE PARUTION		PROTO	2012-03-02	YT