

Ekyrail Enterprises inc.			
Doc. N° : 1020080000	Révision : B	Date 23-07-2018	Page 1 de 4
Sujet :		Inverter 6000va, 3000va per chanel	

Inverter 6000va, 3000va per channel

True Sine-wave



Ekyrail Enterprises inc.			
Doc. N° : 1020080000	Révision : B	Date 23-07-2018	Page 2 de 4
Sujet :		Inverter 6000va, 3000va per chanel	

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.

Synchronization available for more power output

Ekyrail Enterprises inc.			
Doc. N° : 1020080000	Révision : B	Date 23-07-2018	Page 3 de 4
Sujet :		Inverter 6000va, 3000va per chanel	

Specification:

Input

Voltage 74 Vdc nominal , 64 to 89 Vdc
 Current 46 Amperes @74 Vdc and 3000 VA load per channel (2 channels)

Output

Voltage 117 Vac \pm 5% over full operating range
 Power 3000 Va nominal , 3100 Va (max) (per channel)
 Current limit 27 Amperes rms
 Load regulation 5% from no load to max load
 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

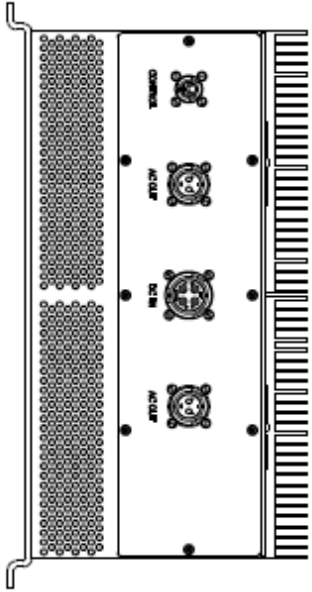
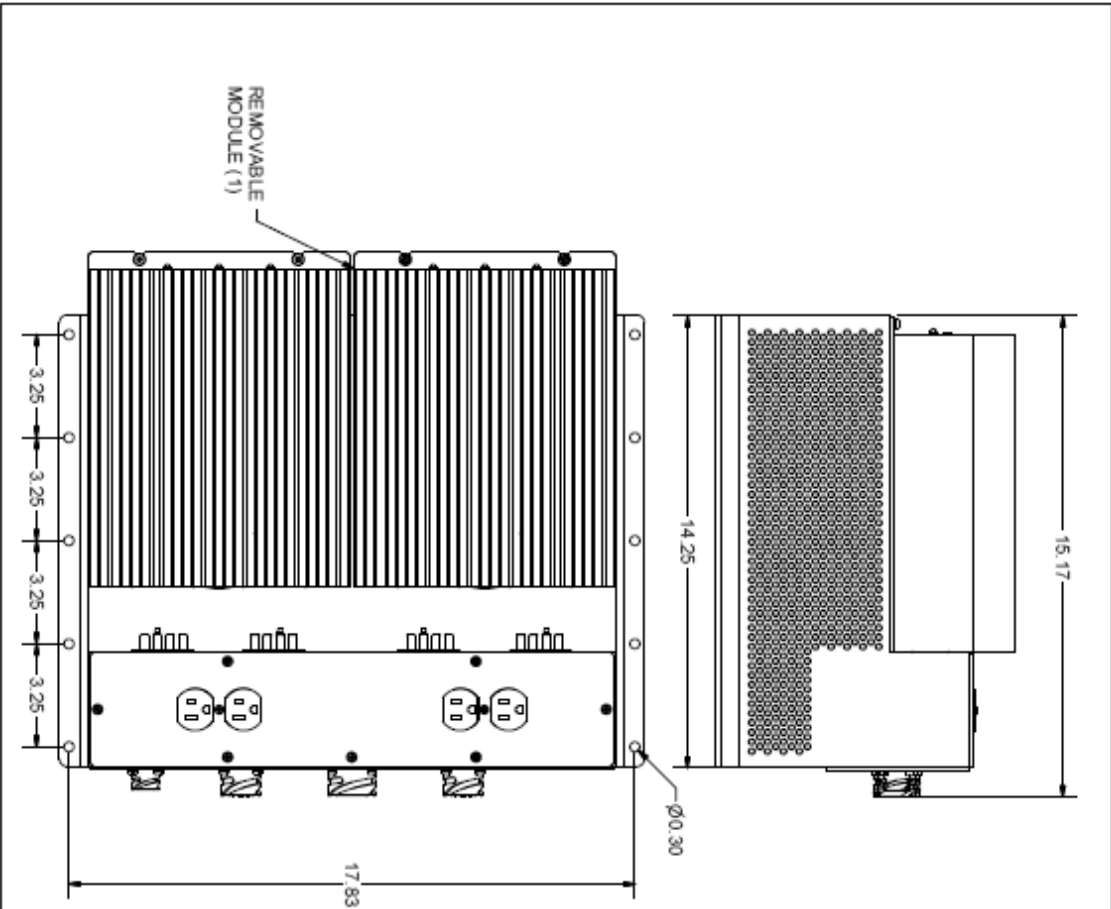
Environment

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 18.43'' L 9.5 '' D
 Weight 108 Lbs. (49.09 kg)

Option

Control input (Must be define when ordering)





ZONE		REVISION HISTORY	
REV	DESCRIPTION	DATE	APPROVED
A	PREMIERE PARUTION	2012-07-24	YT

EKYRAIL ENT. INC.	
DESSINÉ YVAN TAILLON	TITRE/TITLE
VERIFIÉ	INVERTER
APPROUVE	2X3Kva
ECO-BLE	DESSIN# : 1020080000
	FORMAT D'IMPRESSION 17/11 PAGE 1 DE 1