



9235 Roe St.
Pensacola, FL 32514
Tel.850-332-7193

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%

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.





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PC5291-2 2500va True Sine

Specification:

Input

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

Output

Voltage 117 Vac $\pm 5\%$ over full operating range
Power 2500 Va nominal , 2550 Va (max)
Current limit 23 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 $\geq 85\%$ 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 61 Vdc
Restart at 64 Vdc
Overload Output thermally protected
Input reverse polarity Protected
Input protection Fuse, surge suppression and filter.
Isolation Transformer, floating output

Environment

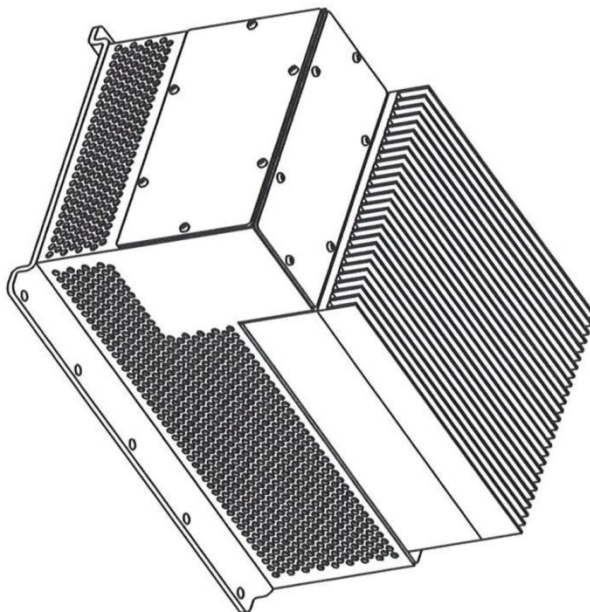
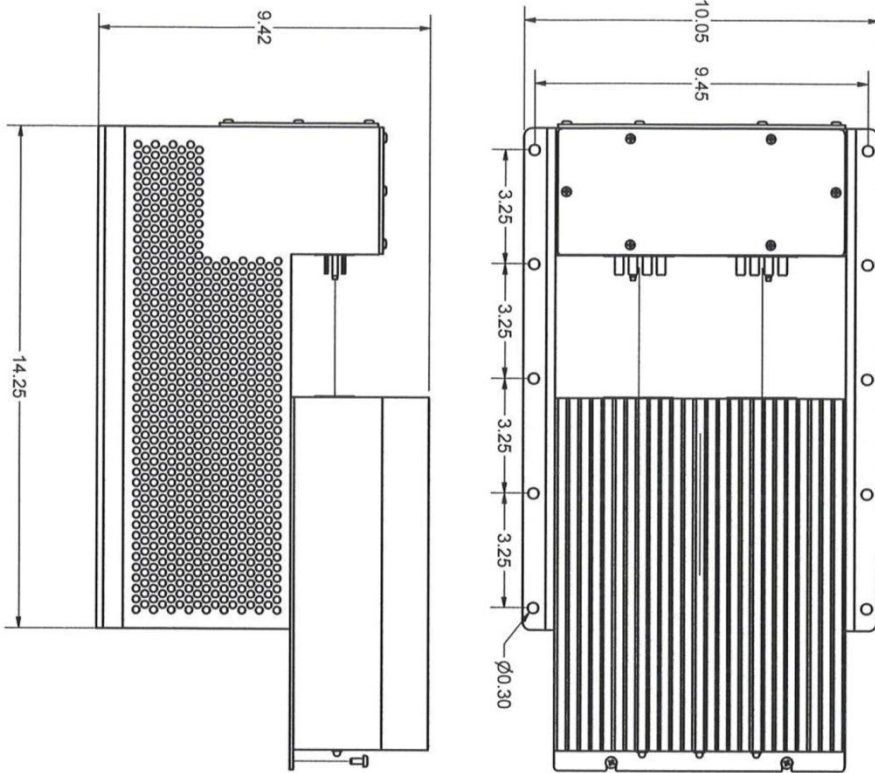
Operating temp. -40°F to 160°F (-40°C to 71°C)
Storage temp. -40°F to 185°F (-40°C to 85°C)
Dimension 14.25''H 10'' L 9.5 '' D
Weight 48 Lbs (21.77 kg)

Locomotive Cab Inverter

PRIME
Railroad
Products



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