Locomotive Cab Inverter

PC5291-3

Inverter 3000va per channel

True Sine-wave



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



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 operating temperature range and extended component life

Self-protected for overloads, shorts, over temperature, input over and under voltage, reverse polarity and surge suppression

Incorporates output filtering for extremely low EMI emissions. Completely isolated input to output.

Synchronization available for more power output

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Voltage 74 Vdc nominal, 64 to 89 Vdc

Current 46 Amperes @74 Vdc and 3000 VA load per channel (2 channels)

Output

Input

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 $60 \text{ Hz} \pm 1 \text{ Hz}$ Load power factor 0.7 lead to 0.7 lagEfficiency $\geq 85\%$ 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 18.43" L 9.5 "D

Weight 108 Lbs. (49.09 kg)

Option

Control input (Must be define when ordering)

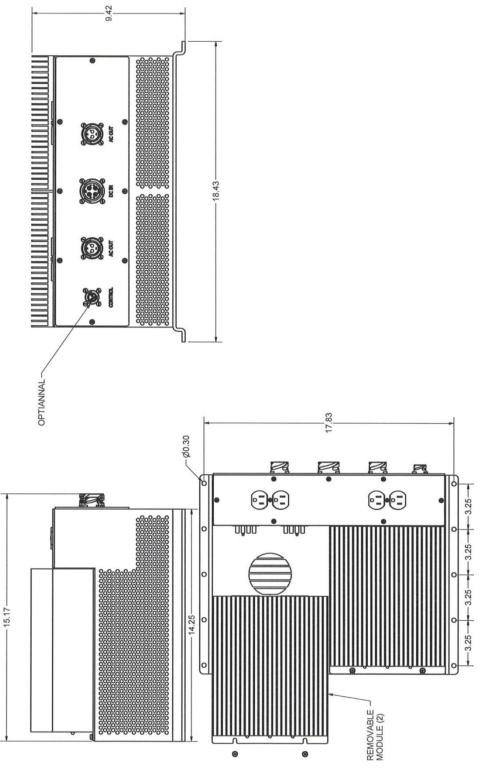
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