

INVERTER 6000va 6KVA



PRODUCT OVERVIEW

- 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

INVERTER 600va

PIN 1020080000

Input

Voltage

74 Vdc nominal , 64 to 89 Vdc

Current

46 Amperes @74 Vdc and 3000 VA per channel

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 ± 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)

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

108 Lbs (49.09 kg)

www.ekyrail.com

Les Entreprises Ekyrail Inc
425 Boulevard Ford
Châteauguay, QC, J6J 4Z2

Tel: (450) 692 1376

Fax: (450) 692 6411