

PowerVerter DD24-12/5 100 -C

dual voltage converter

from **AlfaTRONIX**

In addition to the regular range of 24Vdc –12Vdc converters in the PowerVerter range, covering currents from 3-24 Amps continuous, there is now a model in the range with a dual voltage output of 13.6V and 5V which has a continuous ratings of 6Amps and 5Amps respectively. It is called the DD24-12/5 100.

This unit has a 6 way connector for fast connection/disconnection from a wiring harness.

The unit has the following key benefits:

- Quick and easy to connect
- Power rating to 100W continuous (130W intermittent)
- Cool running switch mode design with efficiency >80%
- Low quiescent current (<30mA)
- Internal protection against over current, transients and overheating.
- No quibble warranty



Characteristics	
Input Voltage Range	24Vdc nominal (18-32V)
Output Voltage 1	13.6Vdc +/- 10%
Output Voltage 2	5.0Vdc +/- 10%
Continuous Current Rating Intermittent Current Rating	13.6V output rated at 6A continuous, 5V output rated at 5A continuous (Running simultaneously) 12V output 8A taken for a maximum of 2 minutes followed by 8 minutes rest. 5V output 8A taken for a maximum of 2 minutes followed by 8 minutes rest.
Transient Voltage Protection	Meets ISO7637-2 International Standard for 24Vdc Commercial Vehicles.
Electro Static Voltage Protection	Meets ISO10605, ISO14892, >8kV contact, 15kV discharge.
Output Noise	<50mV pk-pk at continuous load. Meets CISPR25 and VDE0879-3..
Off load current (quiescent current)	<30mA. If connected to the battery, but not powering any equipment.
Power Conversion Efficiency	>80%
Operating Temperature	-25°C to +30°C. +30°C to +80°C de-rate linearly to 0A
Storage Temperature	-25°C to +100°C
Operating Humidity	95% non-condensing.
Case Work	Anodized Aluminum, Dust, water and impact resistance IP533
Connections	6 way Amp connector. Supplied with mating part and 50cm flying leads. (Plug required AMP 174923-2)
Weight and Dimensions	Weight: 420g Dimensions: 127 (L) x87 (W) x 50 (H) mm
Mounting Method	"Click 'n' Fit" mounting clip, fitted separately using three hole fixing
Safe Area Protection:	<ul style="list-style-type: none"> • Over Current • Over Heat • Transients • Catastrophic failure
Approvals	89/336/EEC The General EMC Directive 95/54/EC The Automotive EMC Directive (pending) 93/68/EEC The CE Marking Directive
Tested to	ISO7637, ISO10605, ISO11451, ISO11452, CISPR 25, VDE0879-3, EN60945
Markings	CE marked



AlfaTronix Limited 29 Newtown Business Park, Poole, Dorset BH12 3LL Great Britain
 Telephone: +44 (0) 1202 715517. Fax: +44 (0) 1202 715122.
 E-mail: sales@alfatronix.ltd.uk. Website: <http://www.alfatronix.ltd.uk>. An ISO9001 Registered Company