



## Voltage Converters

The Alfatronix range of DC voltage converters offers a convenient way to operate mass produced 12VDC equipment such as professional communications and telematics equipment from the 24VDC mobile electrical systems found on diesel engine vehicles and vessels. The units consume an off load current of less than 15mA which is usually less than the self discharge current of a vehicle's battery, removing the need to fit an isolator switch.

### Benefits

- Comprehensive range of voltages and current ratings available
- Quick and easy installation
- IP53 - sealed and robust construction
- Very high MTBF
- High Efficiency
- 3 point mounting for installation on uneven surfaces



### Applications

- Emergency Service Vehicles
- Solar & Wind Installations
- Marine Systems
- Defence Vehicles
- Telecommunications

[www.dmstech.co.uk](http://www.dmstech.co.uk)

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# Voltage Converters

Specifications						
	PV 3	PV 6	PV 12	PV 3i	PV 6i	DD12-24
<b>Continuous Current Rating</b>	3A	6A	12A	3A Isolated	6A Isolated	3A
<b>Peak Current Rating</b>	6A	10A	18A	6A	10A	3.6A
<b>Nominal Output Voltage</b>	12V					24V
<b>Input Voltage Range</b>	17-32V					12V ±30%
<b>Off Load Current</b>	<15mA					<20mA
<b>Dimensions (mm)</b>	L	67	89	127	89	127
	W	87	87	87	87	87
	H	50	50	50	50	50
<b>Weight (g)</b>	200	250	405	280	505	300
<b>Operating Temperature</b>	-25°C to +30°C (+30°C to +80°C de-rate linearly to 0A)					
<b>Environmental Protection</b>	IP53					
<b>Connections</b>	Four 6.3mm push-on flat blade					
<b>Output Indication</b>	Green LED					
<b>MTBF</b>	> 1,419,120 hours					
<b>Safety Features</b>	Over Current Over Temperature Transient Protection Internal Input & Output Fuses					
<b>Approvals and Standards</b>	CE and E Marked 93/68/EEC 2004/108/EC 2009/19/EC EN50498 ISO 7637-2					

Alfatronix manufacture a wide range of voltage converters in the UK. The table above is just a small selection of the popular models, please contact DMS technologies for details of other voltages and power ratings available.

DMS technologies is a leading supplier of battery based electrical systems. We design, manufacture and supply high quality, reliable battery based power solutions to the Industrial, Automotive, Military and Telecoms markets. Our bespoke battery systems have been supplied to many Blue Chip engineering and defence companies world-wide.