

POWER VERTER PV6s-A

24V to 12V Dual Output Voltage Converter

The unit has the following key benefits:

- Quick and easy to connect
- Power rating to 72W continuous (90W intermittent)
- Switch mode design with efficiency typically 90%
- Low quiescent current (<15mA)
- Internal protection against over current, transients and overheating.



Technical Data

Input voltage range	24Vdc nominal (17-32Vdc)
Output voltage	Dual Output connection: Constant 13.6V and a switchable 13.6V The switched output is active when the switched control line is connected to the input supply voltage, e.g. as an ignition switch.
Voltage Rating	Both 13.6Vdc +/- 10%
Output power	6A total, from either output or combination of both. 10A Intermittent, taken for a maximum of 2 minutes followed by 8 minutes rest.
Switched output	Activated by Switch input line taken high.
Transient voltage protection	Meets ISO7637-2 International standard for 24Vdc commercial vehicles
Electrostatic voltage protection	Meets ISO10605, ISO14892, >8kV contact, 15kV discharge
Output noise	<50mV pk-pk (100mV on 24V units) at continuous load. Meets CISPR25 and VDE0879-3
Off load current (quiescent current)	<15mA
Power conversion efficiency	Typically: 90%
Mean time between failures	>162 years (HRD4)
Operating temperature	-25°C to +30°C to meet this specification table +30°C to +80°C de rate linearly to 0A
Storage temperature	-25°C to +100°C
Operating humidity	95% max., non-condensing
Case work	Anodised aluminium, glass filled polycarbonate, dust water and impact resistance to IP533
Connections	Five 6.3mm push-on flat blade connectors
Weights and Dimensions	Weight 270g, Dimensions 89 (L) x 87 (W) x 50 (H) mm
Mounting method	'Click 'n' fit mounting clip, fitted separately using three hole fixing
Safe area protection: Over current	Limited by current sensing circuit
Over heat	Limited by temperature sensing circuit
Transients	Protected by filters and rugged component selection
Catastrophic failure	Protected by internal input and output fuses
Approvals	2004/108/EC The General EMC Directive 72/245/2006/96/EC The Automotive EMC Directive (e13 03 6198) 93/68/EEC The CE Marking Directive

