



Switchmode 12A Voltage Reducer

#VC12-1

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DESCRIPTION

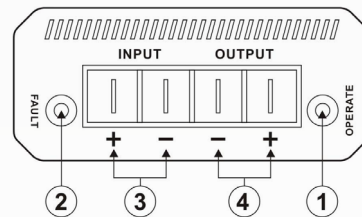
Switchmode voltage reducers provide a 12 Volt nominal output from a 24 Volt source. Suitable for electronic loads and are protected against spikes, surges and incorrect wiring.

Perfect for operating radio and communications equipment where electronic memory needs to be preserved.



FEATURES

- Dual output option
- Switch mode
- Built-in short circuit and overload protection
- Withstand up to 38 Volt input with clean DC output
- Small and compact
- Convenient clip on mounting bracket
- Includes mounting bracket, screws and push-on terminals



1. Operate indicator (Green LED)
2. Fault indicator (Red LED)
3. Input terminals
4. Output terminals

TECHNICAL SPECIFICATIONS

Input Voltage Range	• 18 to 38 Volt DC
Output Voltage	• 13.8 Volt DC
Current Output	• 12 Amp continuous current
Max. Current Output	• 16 Amp @ 30% duty cycle
No Load Current	• < 50mA
Ripple & Noise (p-p)	• < 100mV
Ripple & Noise (r.m.s)	• < 10mV
Load Regulation	• < 50mV
Line Regulation	• < 50mV
Efficiency	• > 90%

Protection	• Output over-voltage protection (OVP), • Loss of earth protection, • Self reset: Reverse polarity protection, • Overload protection, Short circuit protection
Indicators	• Green LED - Operate, Red LED - Fault
Connection Type	• Push-on terminals
Cooling System	• Natural convection
Max. Operating Temp	• 50°C
Internal Input Fuse	• 20 Amp (glass type)
Switchable Output	• Connection type: 1.2m length cable
Dimensions	• 172mm x 75mm x 32mm
Weight	• 550 grams