Overview

The use of mobile devices such as data terminals, code scanners, data storage, monitoring equipment and wireless routers in vehicle applications are increasing in popularity. The more ancillary equipment added to the electrical system, the more likely voltage related issues will occur. Issues such as voltage dips, spikes and transients can wreak havoc with sensitive electronic equipment.

When there are fluctuations in voltage some electronic devices may simply shut down, go offline or reboot, usually at an inconvenient time and often resulting in issues such as data loss or corruption. In a worst case scenario, these devices may actually be damaged, not always catastrophically but even long term exposure to these voltage issues can render damage and/or seriously reduce the expected life of the device.

interVOLT produces several solutions for protection onboard devices, including our renown SPCi Power Conditioner range. We have now released a new product, the SVS Voltage Stabiliser range, effectively a DC-DC power conditioner without galvanic isolation. The SVS utilises a common negative design, actively controlling the high side only, thereby eliminating the need for galvanic topology. The SVS is a cost-effective solution for many applications where complete DC-DC isolation is simply not required.

Features

- Economical protection for sensitive electronic equipment.
- Available in both 12V and 24V DC for transport applications.
- Excellent line and load regulation output characteristics.
- Highly stable under a range of adverse input voltage conditions.
- Suitable for high temperature ambient environments.
- Compact in size with unique mounting plate to reduce footprint.
- High visibility LED status display and diagnostic indicators.
- Corrosion resistant materials suited to tropical environments.
- Conformally coated printed circuit board for greater protection.
- 24 months warranty (subject to policy terms and conditions).

Switchmode Voltage Stabilisers

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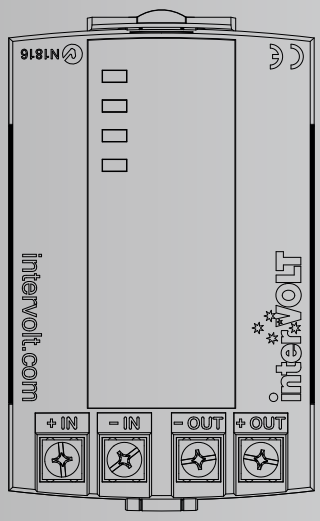
Models

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	RATING
SVS1212050	11 – 17V (will dip to 8V)	12.5VDC ±1%	5.0 Amps max.
SVS2424025	22 – 33V (will dip to 16V)	25.0VDC ±1%	2.5 Amps max.

Dimensions



Length	101mm
Width	62mm
Height	34mm