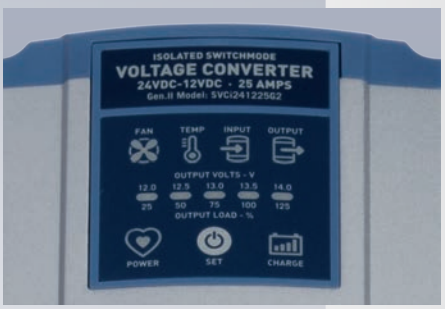
SVC and SVCi GEN II Maxi Series



Overview

The GEN II range of SVC and SVCi Maxi Series Voltage Converters as they are known, are designed on the solid foundation of the original product with a host of new features and benefits. With digital over analogue topology the GEN II range allows the installer/operator to control and monitor various functions and provides valuable feedback on the status of the connected load. The GEN II is more compact due to multi-speed fan cooling and as a result no longer relies on convection for cooling.

Available in both common negative and galvanically isolated versions, the GEN II Maxi Series models are designed for high performance installations where a 12VDC source is required in a 24VDC application. The common negative SVC version provides maximum efficiency at a cost effective price and provides all the same protection of the SVCi version with the exception of galvanic isolation. The isolated version ensures complete DC - DC electrical isolation, that is, no common connection between the input and output whatsoever. Isolated converters will eliminate line interference, increase electrical safety with improved circuit protection and reduce voltage transients. This means peace-of-mind when connecting sensitive and often expensive, high-end electronic equipment to the output.

Features

- Unique operator interface for control and monitoring.
- Available in common negative or galvanically isolated models.
- Special mode setting for charging an auxiliary battery (2 stage).
- High resolution voltage output of less than 0.5% under any load.
- Peak efficiency up to 94% (no less than 90% under any load).
- Remote operator control to turn unit on/off with signal power only.
- Multifunction alarm output for fault and pre-emptive warnings.
- Integrated speed and temperature controlled cooling fan.
- Compact design which can be mounted vertically or horizontally.
- Heavy duty termination with separate, removable terminal cover.
- Tropicalisation via conformally coated printed circuit board.
- 24 months warranty (subject to specific terms and conditions).

Voltage Converters

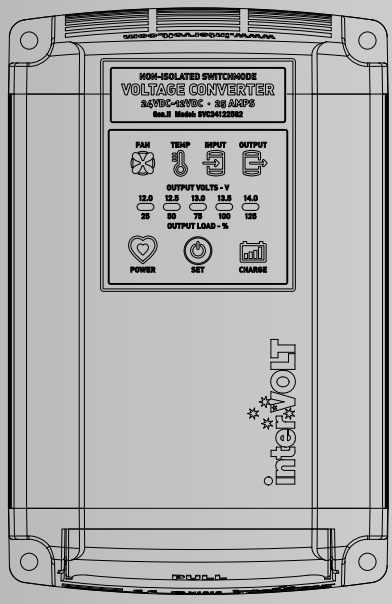
"With digital over analogue topology the GEN II range allows the installer/operator to control and monitor various functions"

Models

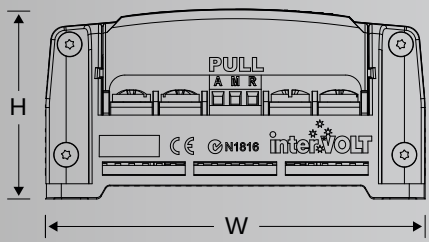
MODEL	ISOLATED	INPUT VOLTAGE	OUTPUT VOLTAGE	CONTINUOUS RATING
SVC241225G2	No	20 – 33VDC*	12.0 – 14.0V	25 Amps @ 40°C
SVC241235G2	No	20 – 33VDC*	12.0 – 14.0V	35 Amps @ 40°C
SVCi241215G2	Yes	20 – 33VDC*	12.0 – 14.0V	15 Amps @ 40°C
SVCi241225G2	Yes	20 – 33VDC*	12.0 – 14.0V	25 Amps @ 40°C

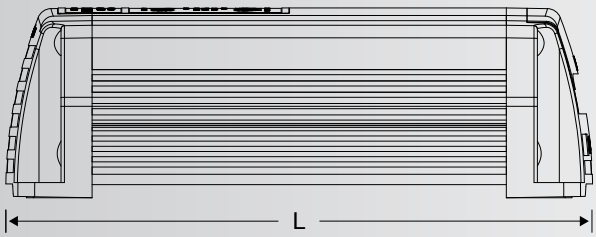
* will dip to 17V - in power supply mode only

Dimensions



	SVC241225G2 SVCi241215G2	SVC241235G2	SVCi241225G2
Length	170mm	200mm	230mm
Width	110mm	110mm	110mm
Height	55mm	55mm	55mm
Weight	750 grams	900 grams	1150 grams





SVC and SVCi Mini Series

Overview

The SVC and SVCi Mini Series range was developed to fulfil the need for a small device to power low current electrical and electronic equipment in transport applications. Utilising the unique Mini Series housing design, these devices are not only stylish but compact, efficient and installer friendly.

Available in both common negative and galvanically isolated versions, the SVC and SVCi Mini Series models are designed for high performance installations anywhere a 12VDC source is required in a 24VDC application. The common negative SVC version provides maximum efficiency at a cost effective price and provides the same protection of the SVCi version with the exception of galvanic isolation. The isolated version ensures complete DC - DC electrical isolation, that is, no common connection between the input and output whatsoever. Isolated converters will eliminate line interference, increase electrical safety with improved circuit protection and reduce voltage transients. This means peace-of-mind when connecting sensitive and often expensive, high-end electronic equipment to the output.

The SVC and SVCi Mini Series incorporate a range of safety features to protect the device from specific fault conditions including under and over voltage, transients, thermal and output overload and short circuit.

Features

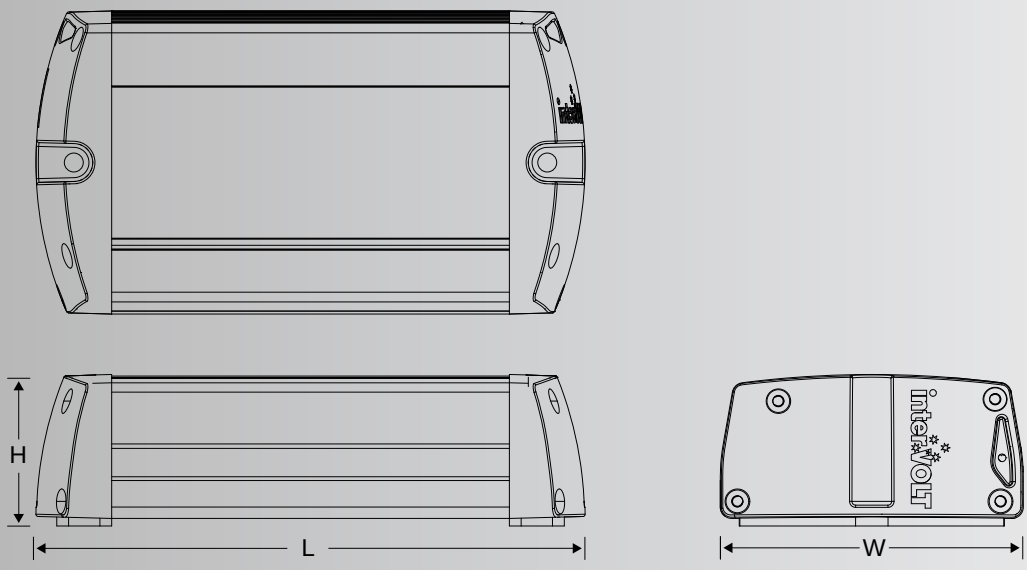
- Available in common negative or galvanically isolated models.
- Isolated version has selectable high or low voltage output setting.
- Suitable for float charging of lead acid batteries (isolated model only).
- Unique LED diagnostic indicator to assist with troubleshooting.
- Will operate in high ambient temperatures under continuous load.
- Peak efficiency up to 93% (better than 90% under most conditions).
- Precise voltage regulation and superior noise filtering circuitry.
- Full electronic protection to ensure both longevity and safety.
- Tropicalisation via conformally coated printed circuit board.
- 24 months warranty (subject to specific terms and conditions).

"The SVC and SVCi Mini Series models are designed for high performance installations anywhere"

Models

MODEL	ISOLATED	INPUT VOLTAGE	OUTPUT VOLTAGE	CONTINUOUS RATING
SVC241207	No	19 – 33VDC	13.7VDC	7 Amps @ 30°C
SVC241210	No	19 – 33VDC	13.7VDC	10 Amps @ 30°C
SVCi241208	Yes	17 – 33VDC	12.5/13.6VDC	8 Amps @ 30°C

Dimensions



	SVC241207	SVC241210	SVCi241208
Length	120mm	145mm	170mm
Width	80mm	80mm	80mm
Height	40mm	40mm	40mm
Weight	270 grams	325 grams	418 grams