



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.

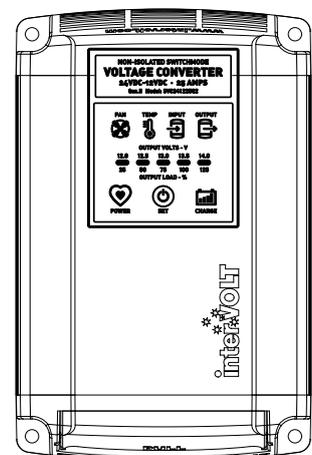
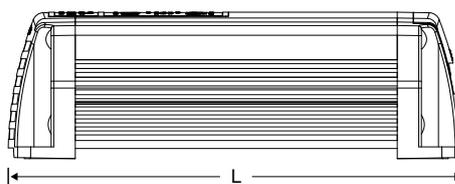
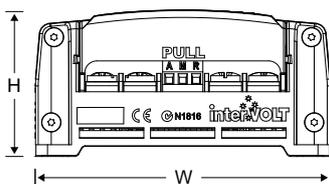
\* Based on a 50% duty cycle at 5 minute intervals over and above the continuous load rating.

\*\* Based on a peak surge rating of 5 seconds over and above the continuous load rating.

<b>Input Voltage Range</b>	20 - 33 VDC initial (can dip to 17V intermittently during operation)
<b>Contin.Load Rating @40°C</b>	35 Amps
<b>Inter.Load Rating @40°C</b>	<125%*
<b>Peak Load Rating @40°C</b>	125%**
<b>Output Voltage</b>	User adjustable 12.0V to 14.0V in 0.5V increments
<b>In Battery Charging Mode</b>	2 Stage – boost 14.4V, float 13.6V (+/-0.1V)
<b>Standby Current Draw</b>	25 mA nominal
<b>Power Conversion Efficiency @ 25°C</b>	94% Peak (nominally 93%)
<b>Output ripple</b>	Less than 20 mV Peak to Peak
<b>Operating Temperature</b>	Ideally -25°C to + 50°C
<b>Operating Humidity</b>	Ideally less than 90%
<b>Materials - Enclosure</b>	6063-T5 aluminium dye anodised
<b>Enclosure End Caps</b>	Injection moulded electrical grade ABS/PC plastic
<b>Diagnostics</b>	Custom operator interface
<b>Diagnostic Indicator</b>	Tri-colour LED – monitoring standby mode, load on, short circuit and temperature
<b>Electrical Protection</b>	Transient Voltage - Filtering – Purpose designed circuit Over Load/Short Circuit shutdown – auto reset Input Under Voltage shutdown – auto reset Over Temperature shutdown – auto reset Negative Disconnect shutdown – auto reset Output Over Voltage – Internal Fuse – Zener crowbar Input Reverse Polarity – Internal Fuse – Diode bypass
<b>Termination</b>	Screw Terminal – M5 with 304 SS Combination screw
<b>Conformity</b>	EMC – IEC 61204-3 and AS/NZS CISPR 11 G1, CB
<b>Certification</b>	EMC – Australian C Tick mark and European CE mark

MODEL	ISOLATED	INPUT VOLTAGE	OUTPUT VOLTAGE	CONTINUOUS RATING
SVC241225G2	No	20 – 33VDC (will dip to 17V)	12.0 – 14.0V	25 Amps @ 40°C
SVC241235G2	No	20 – 33VDC (will dip to 17V)	12.0 – 14.0V	35 Amps @ 40°C

	Length	Width	Height	Weight
<b>SVC241225G2</b>	170mm	110mm	55mm	750 grams
<b>SVC241235G2</b>	200mm	110mm	55mm	900 grams



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